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JC145

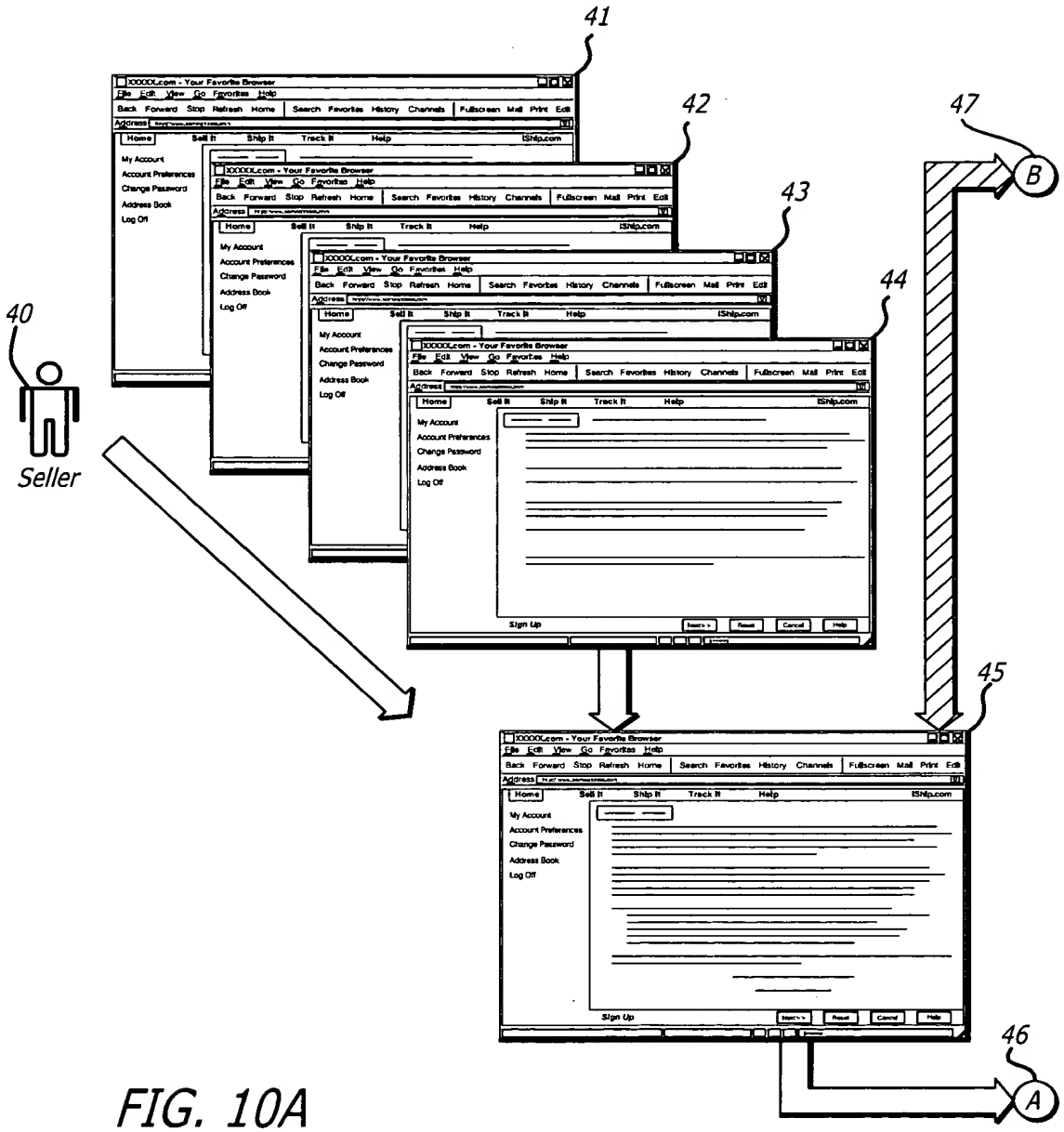


FIG. 10A

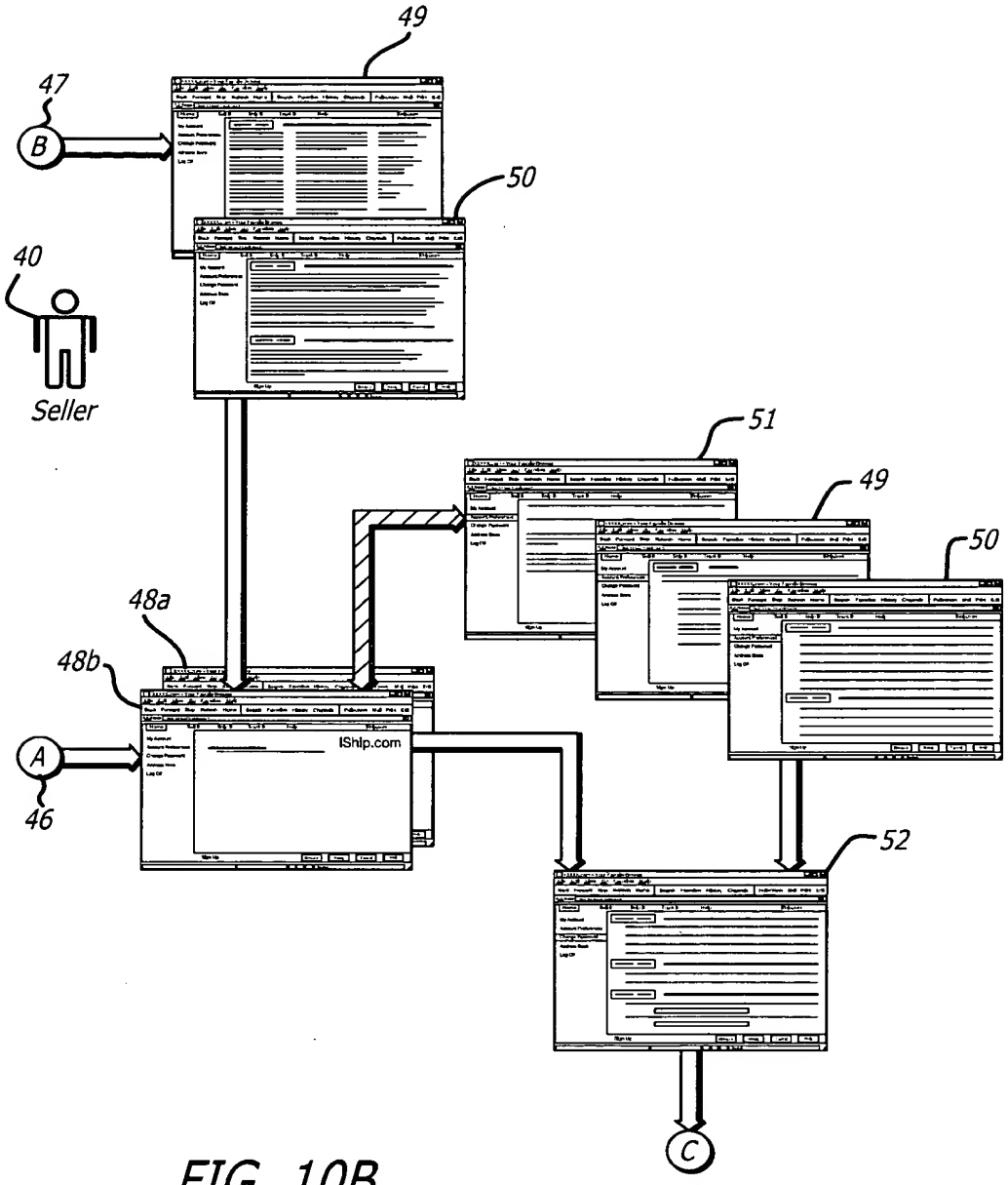


FIG. 10B

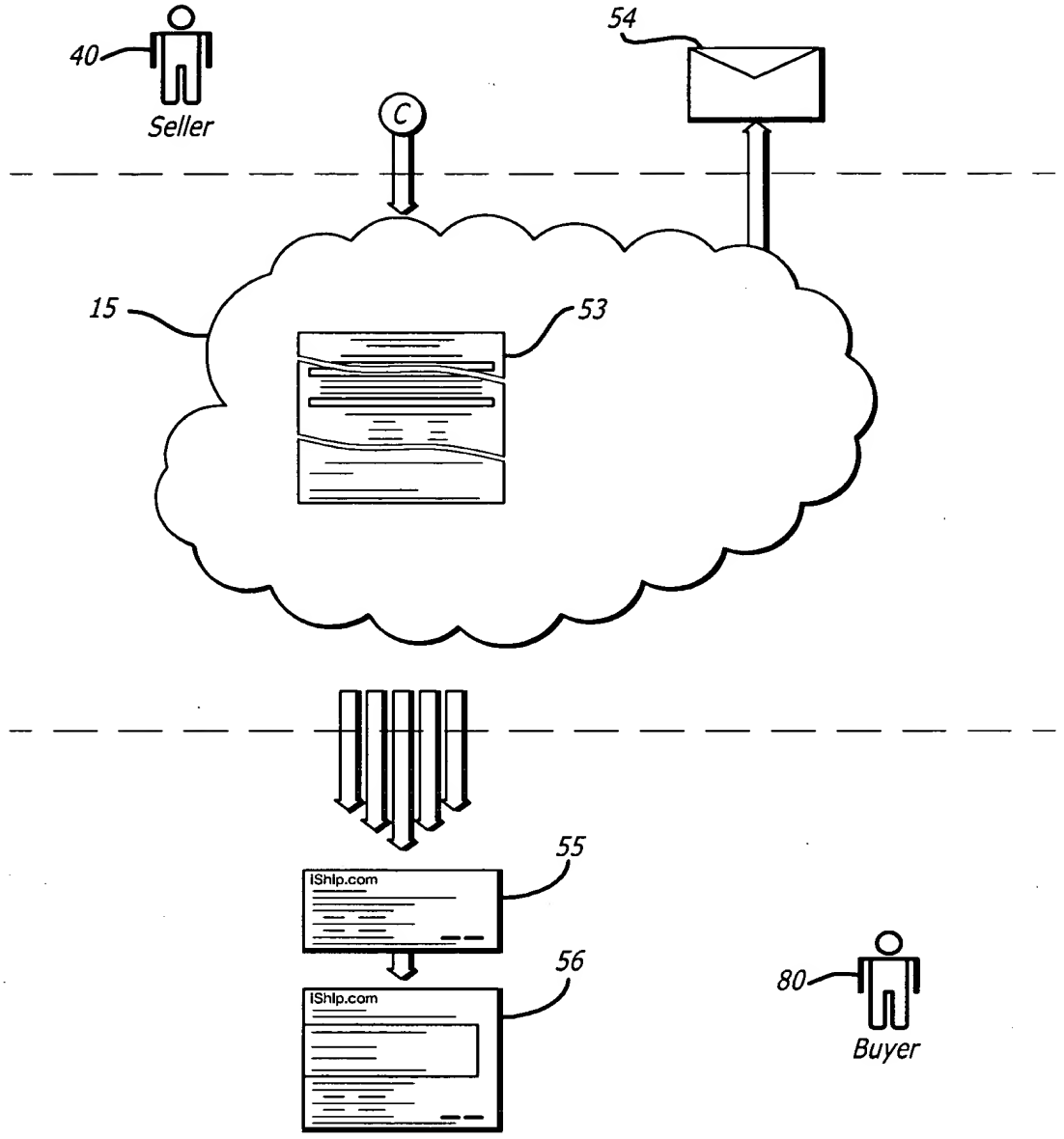


FIG. 10C

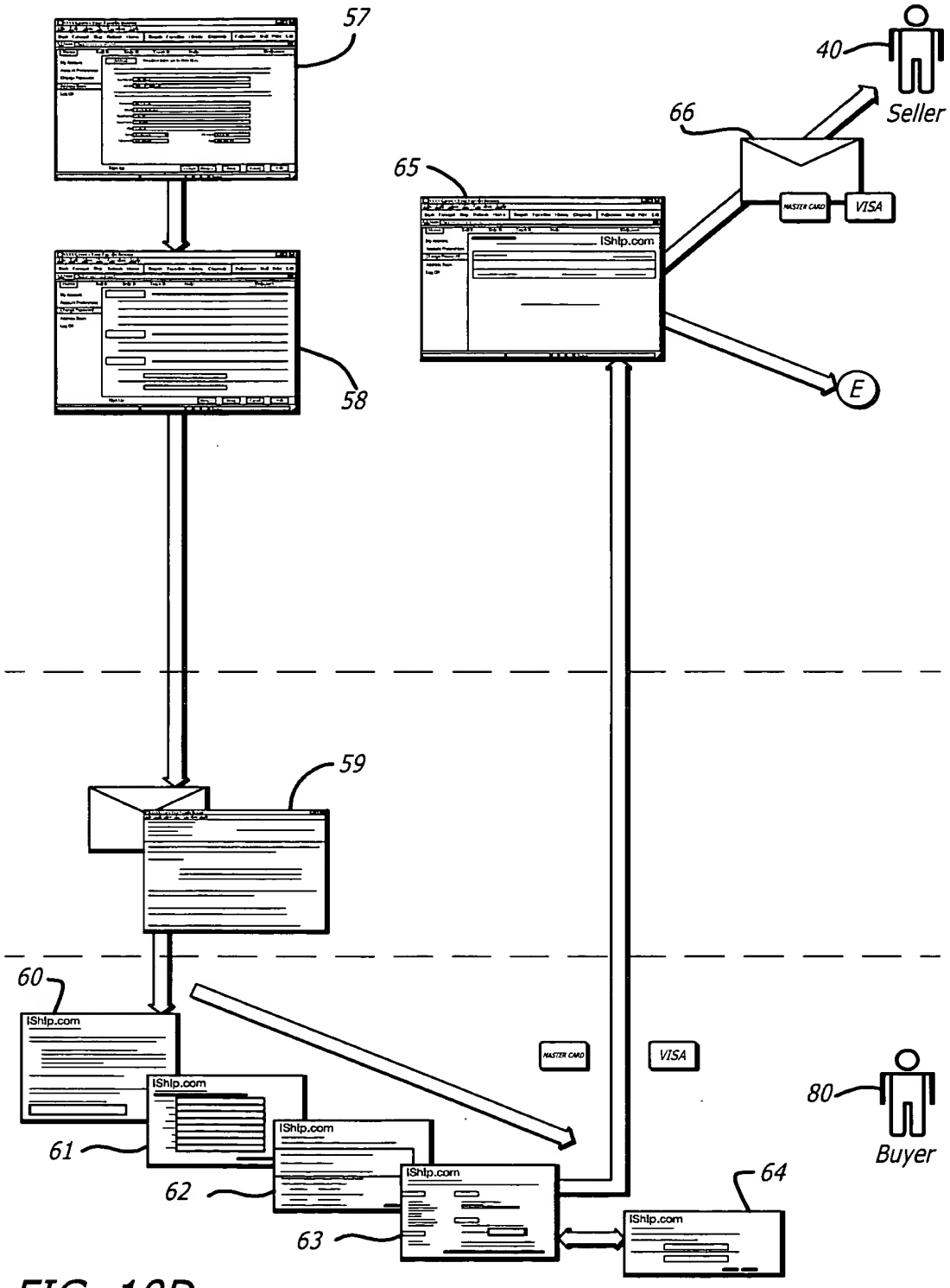
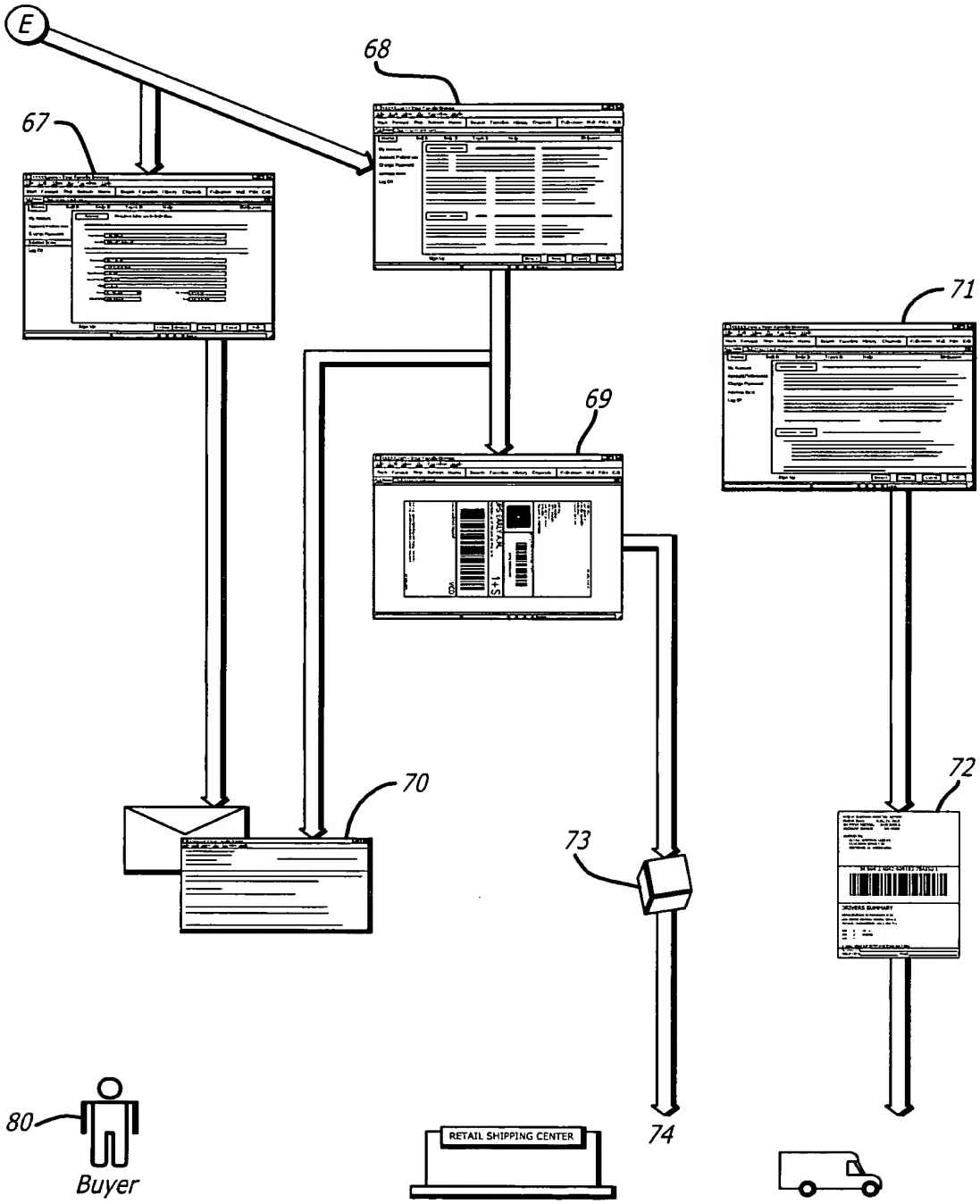

57
58
59
60
61
62
63
64
65
66
40
Seller
80
Buyer
IShip.com
MASTER CARD
VISA
E

FIG. 10D

FIG. 10E



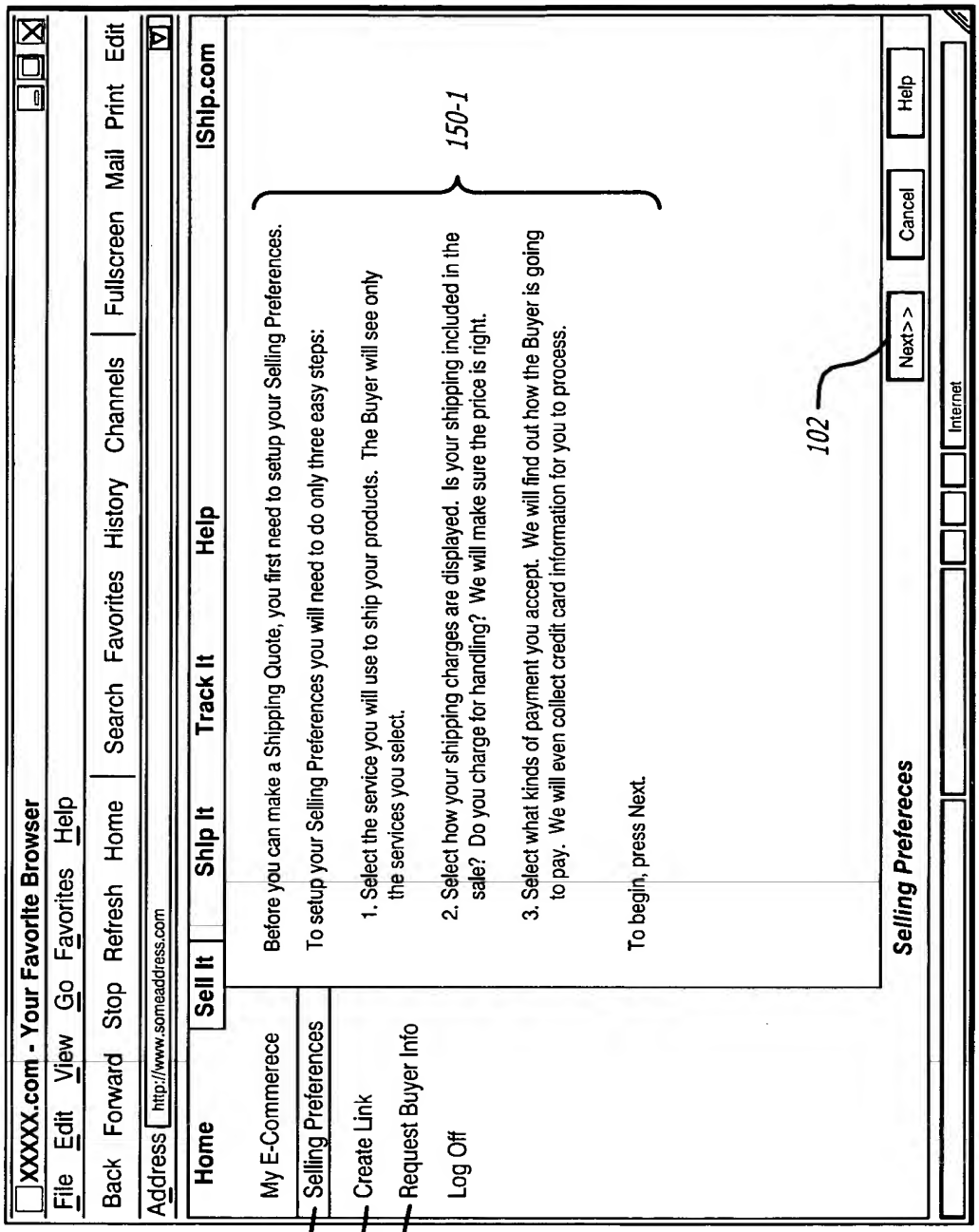

XXXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home | Search Favorites History Channels | Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
IShip.com
My E-Commerece
Selling Preferences
Create Link
Request Buyer Info
Log Off
Before you can make a Shipping Quote, you first need to setup your Selling Preferences.
To setup your Selling Preferences you will need to do only three easy steps:
1. Select the service you will use to ship your products. The Buyer will see only the services you select.
2. Select how your shipping charges are displayed. Is your shipping included in the sale? Do you charge for handling? We will make sure the price is right.
3. Select what kinds of payment you accept. We will find out how the Buyer is going to pay. We will even collect credit card information for you to process.
To begin, press Next.
Selling Prefereces
Next>>
Cancel
Help
Internet
31b-1
31b-2
31b-3
150-1
102

FIG. 24

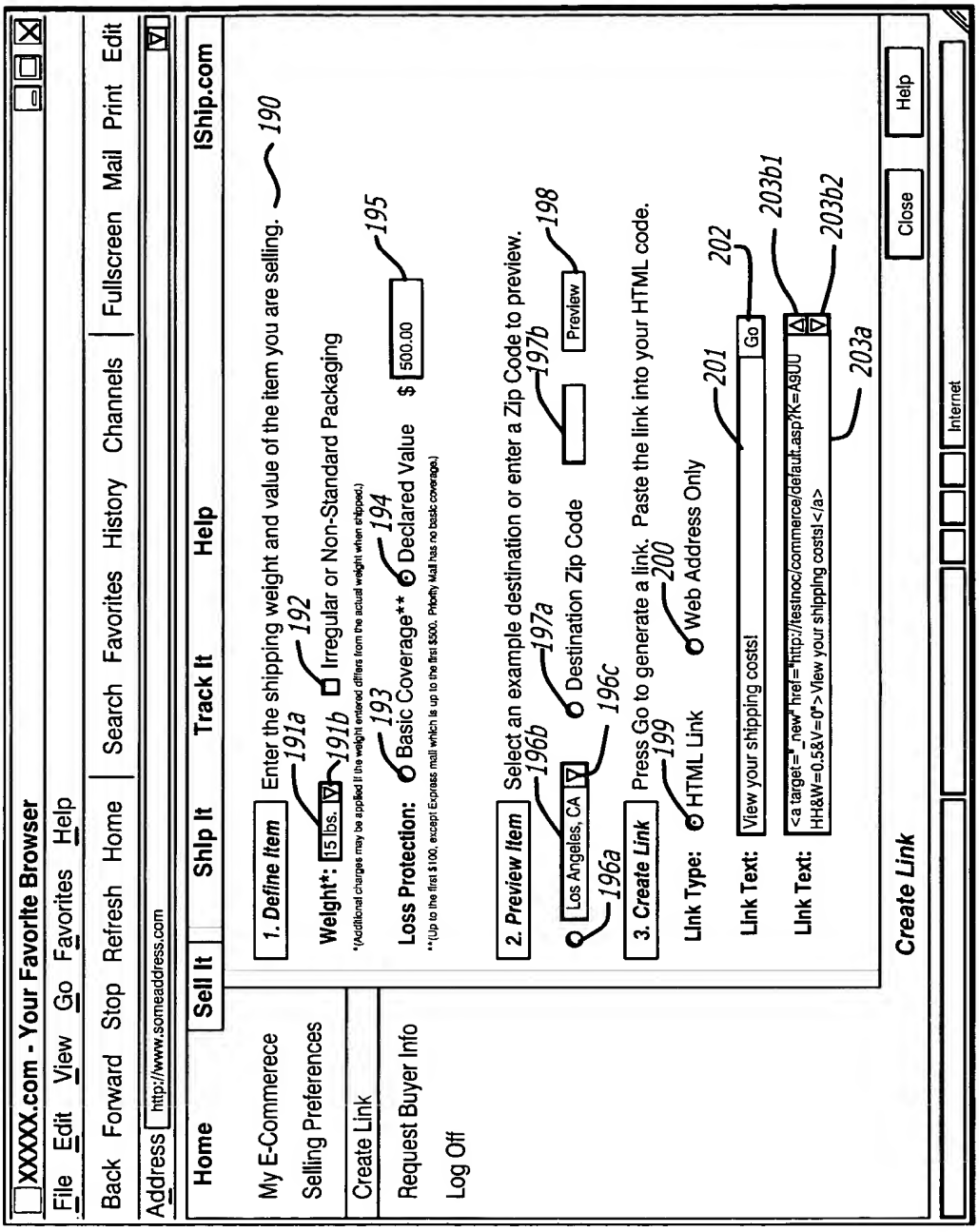

XXXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home | Search Favorites History Channels | Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
IShip.com
My E-Commerece
Selling Preferences
Create Link
Request Buyer Info
Log Off
1. Define Item
Enter the shipping weight and value of the item you are selling.
190
Weight*: 15 lbs.
191a
191b
Irregular or Non-Standard Packaging
192
*(Additional charges may be applied if the weight entered differs from the actual weight when shipped.)
Loss Protection:
193
Basic Coverage**
194
Declared Value
$ 500.00
195
**(Up to the first $100, except Express mail which is up to the first $500. Priority Mail has no basic coverage.)
2. Preview Item
Select an example destination or enter a Zip Code to preview.
196b
197a
Destination Zip Code
197b
Preview
198
Los Angeles, CA
196a
196c
3. Create Link
Press Go to generate a link. Paste the link into your HTML code.
199
200
Link Type:
HTML Link
Web Address Only
201
202
Link Text:
View your shipping costs!
Go
203b1
Link Text:
<a target="_new" href="http://testnoc/commerce/default.asp?K=AGUU
HH&W=0.5&V=0">View your shipping costs!
203b2
203a
Create Link
Close
Help
Internet

FIG. 25

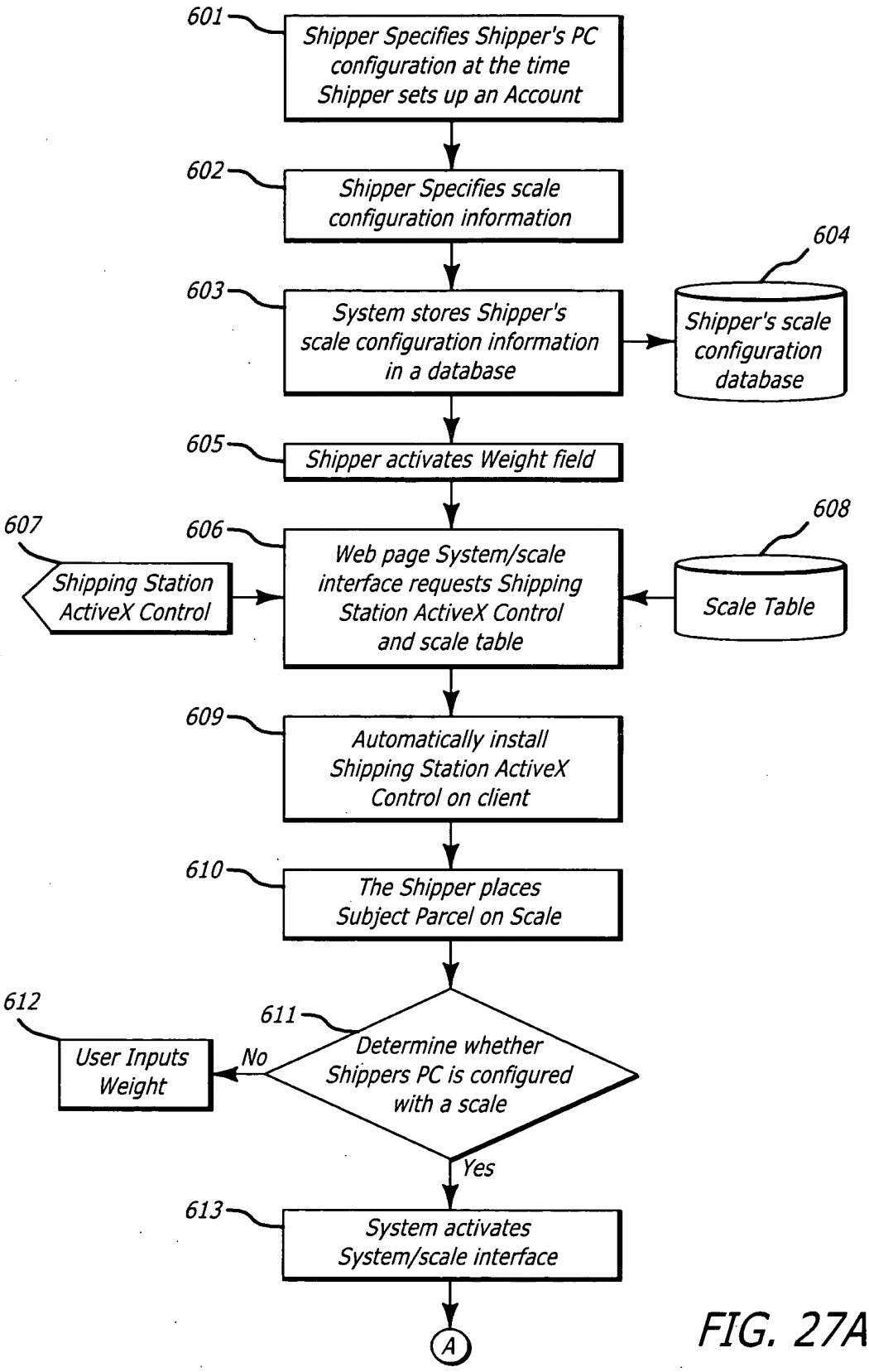

601
Shipper Specifies Shipper's PC configuration at the time Shipper sets up an Account
602
Shipper Specifies scale configuration information
603
System stores Shipper's scale configuration information in a database
604
Shipper's scale configuration database
605
Shipper activates Weight field
606
Web page System/scale interface requests Shipping Station ActiveX Control and scale table
607
Shipping Station ActiveX Control
608
Scale Table
609
Automatically install Shipping Station ActiveX Control on client
610
The Shipper places Subject Parcel on Scale
611
Determine whether Shippers PC is configured with a scale
612
User Inputs Weight
No
Yes
613
System activates System/scale interface
A

FIG. 27A

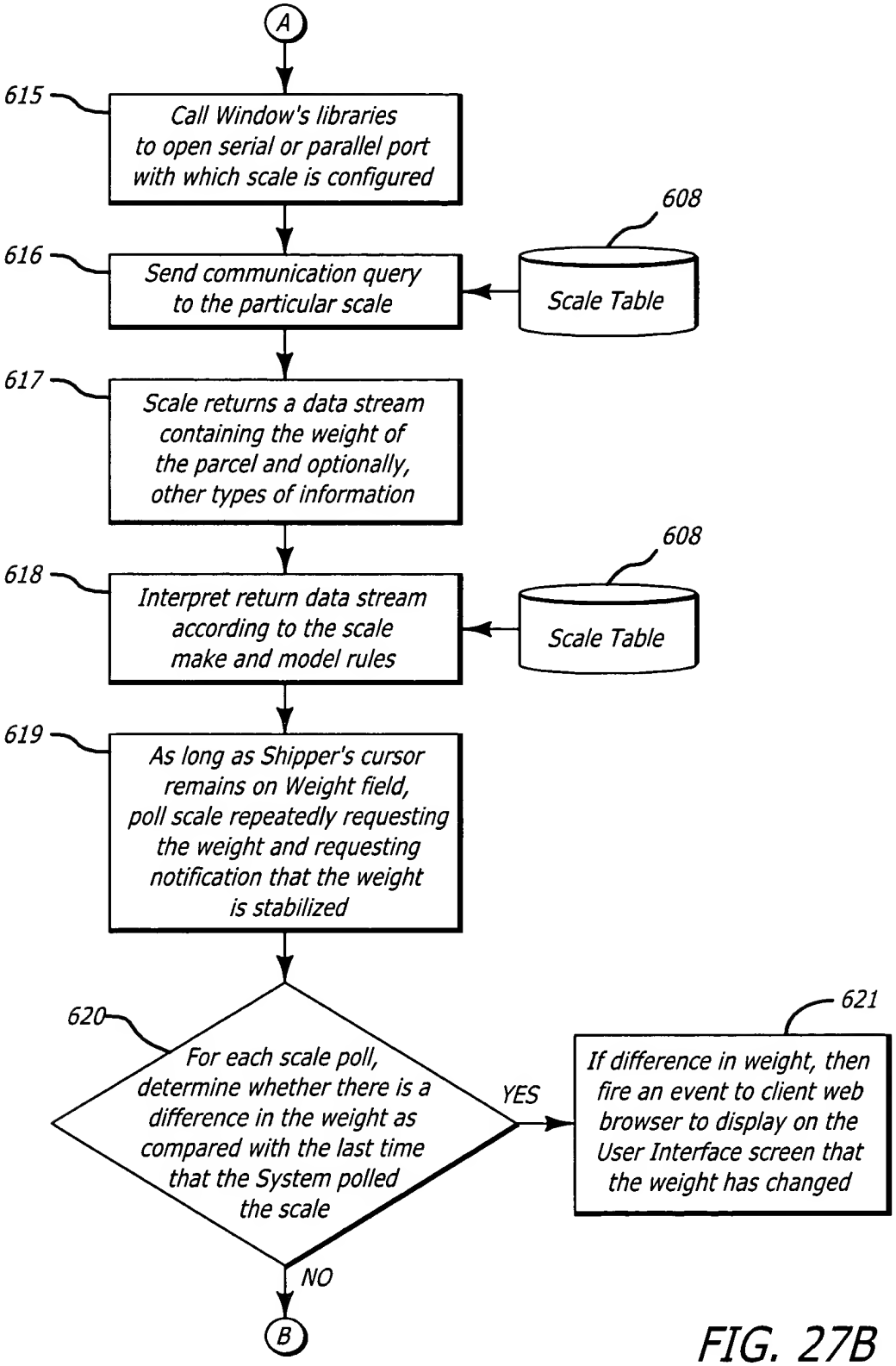

A
615
Call Window's libraries to open serial or parallel port with which scale is configured
608
616
Send communication query to the particular scale
Scale Table
617
Scale returns a data stream containing the weight of the parcel and optionally, other types of information
608
618
Interpret return data stream according to the scale make and model rules
Scale Table
619
As long as Shipper's cursor remains on Weight field, poll scale repeatedly requesting the weight and requesting notification that the weight is stabilized
620
For each scale poll, determine whether there is a difference in the weight as compared with the last time that the System polled the scale
YES
621
If difference in weight, then fire an event to client web browser to display on the User Interface screen that the weight has changed
NO
B

FIG. 27B

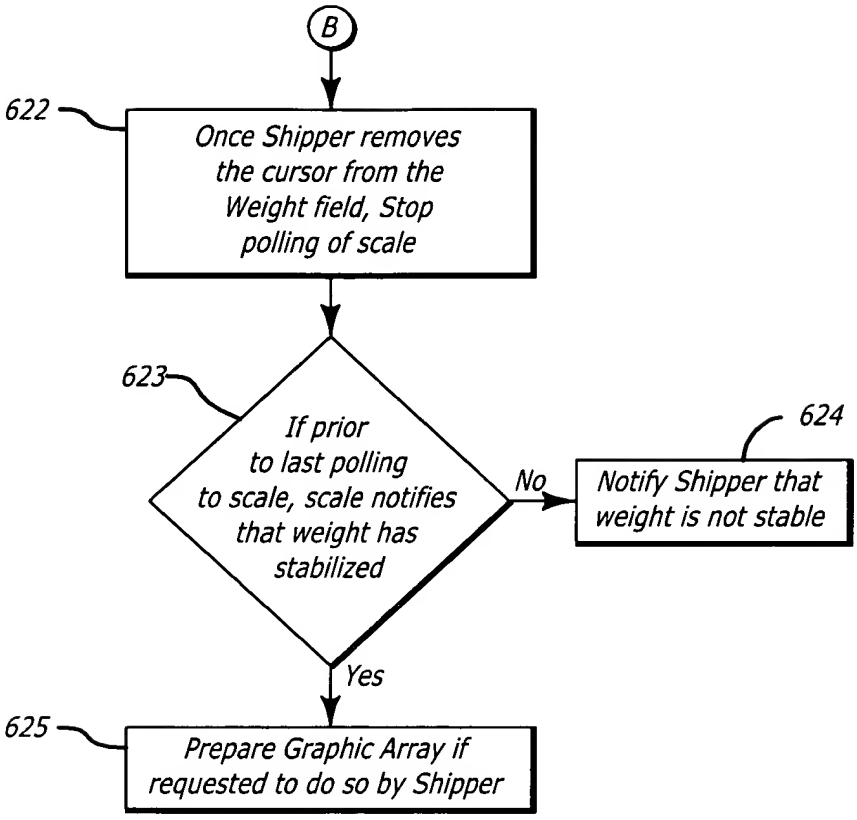

B
622
Once Shipper removes the cursor from the Weight field, Stop polling of scale
623
If prior to last polling to scale, scale notifies that weight has stabilized
No
624
Notify Shipper that weight is not stable
Yes
625
Prepare Graphic Array if requested to do so by Shipper

FIG. 27C

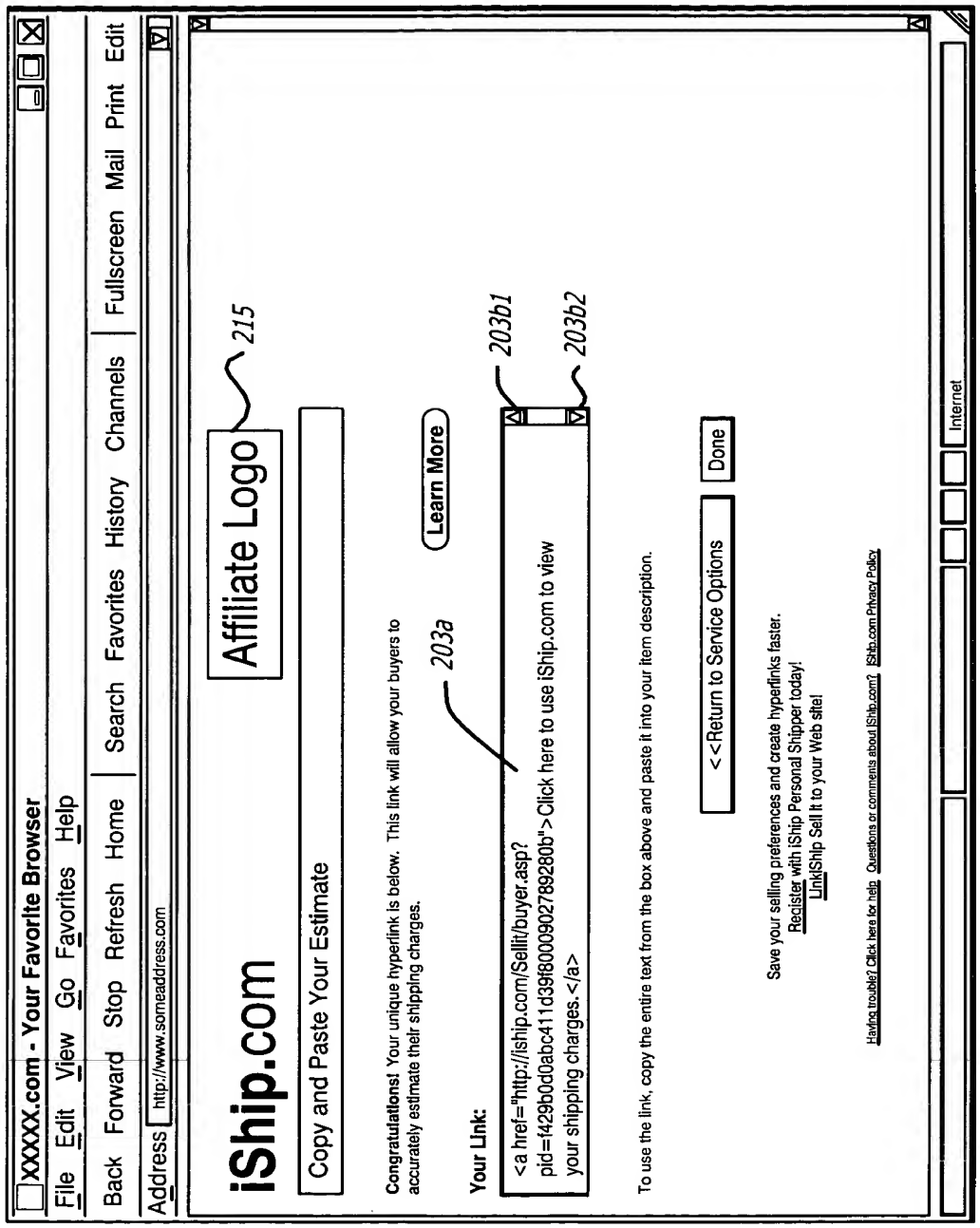

XXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home | Search Favorites History Channels | Fullscreen Mail Print Edit
Address http://www.someaddress.com
iShip.com
Affiliate Logo
215
Copy and Paste Your Estimate
Congratulations! Your unique hyperlink is below. This link will allow your buyers to accurately estimate their shipping charges.
203a
Learn More
Your Link:
Click here to use iShip.com to view your shipping charges.
203b1
203b2
To use the link, copy the entire text from the box above and paste it into your item description.
<<Return to Service Options
Done
Save your selling preferences and create hyperlinks faster.
Register with iShip Personal Shipper today!
LinkiShip Sell It to your Web site!
Having trouble? Click here for help
Questions or comments about iShip.com?
iShip.com Privacy Policy
Internet

FIG. 30

<a target="_new"

href="http://iship.com/commerce/default.asp?K=A6V1XZ

&W=10&V=0&H=0">View Tour Shipping Costs!

210 210-1 210-2 211 212 213

FIG. 31

<a href="http://iship.com/Sellit/buyer.asp?

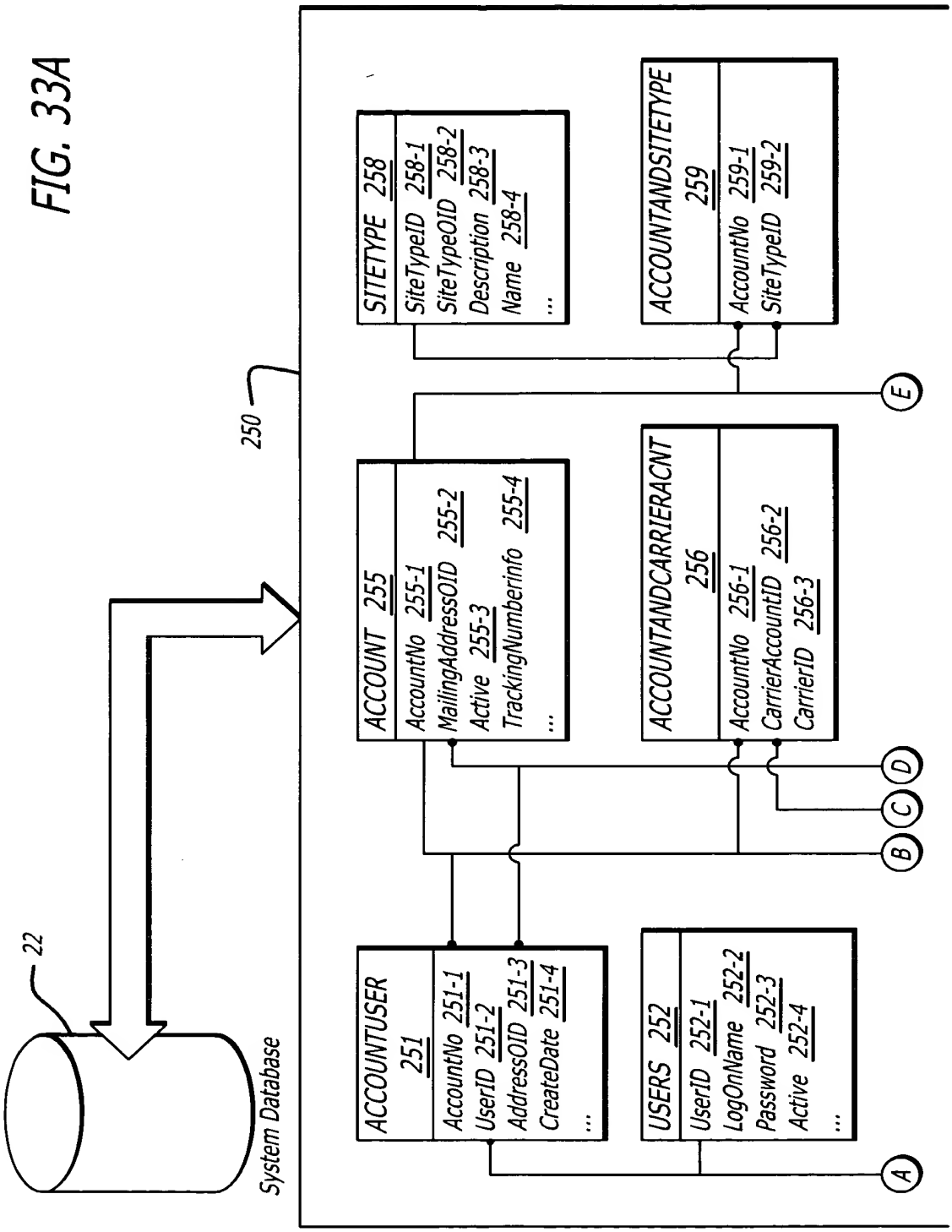
pid=f429b0d0abc411d39f8000902789280b"

220

>Click here to use iShip.com to view your shipping charges.

FIG. 32

FIG. 33A


22
System Database
250
ACCOUNTUSER 251
AccountNo 251-1
UserID 251-2
AddressOID 251-3
CreateDate 251-4
...
USERS 252
UserID 252-1
LogOnName 252-2
Password 252-3
Active 252-4
...
ACCOUNT 255
AccountNo 255-1
MailingAddressOID 255-2
Active 255-3
TrackingNumberInfo 255-4
...
ACCOUNTANDCARRIERACNT 256
AccountNo 256-1
CarrierAccountID 256-2
CarrierID 256-3
SITETYPE 258
SiteTypeID 258-1
SiteTypeOID 258-2
Description 258-3
Name 258-4
...
ACCOUNTANDSITETYPE 259
AccountNo 259-1
SiteTypeID 259-2
A
B
C
D
E

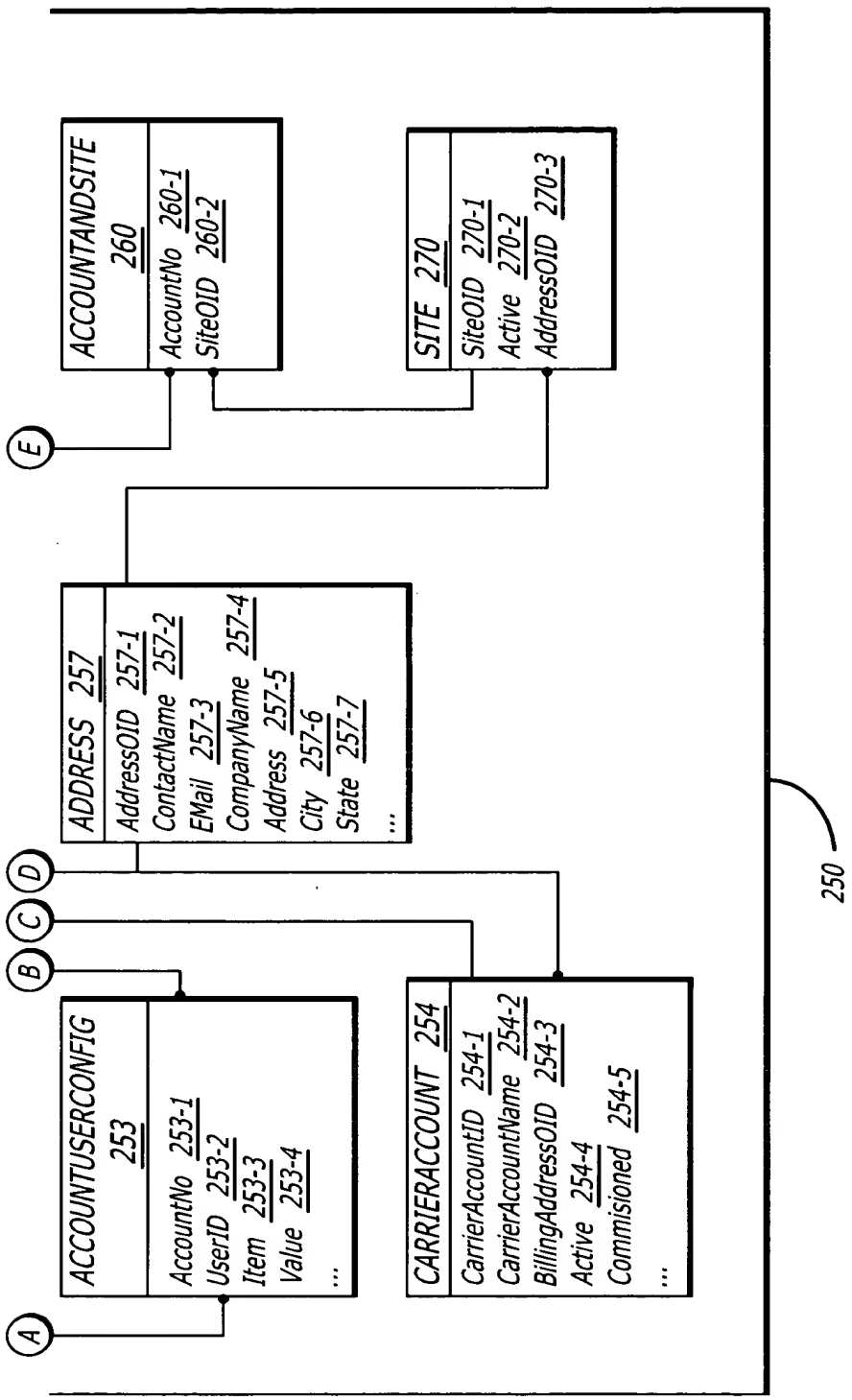

ACCOUNTANDSITE 260
AccountNo 260-1
SiteOID 260-2
SITE 270
SiteOID 270-1
Active 270-2
AddressOID 270-3
ADDRESS 257
AddressOID 257-1
ContactName 257-2
EMail 257-3
CompanyName 257-4
Address 257-5
City 257-6
State 257-7
...
ACCOUNTUSERCONFIG 253
AccountNo 253-1
UserID 253-2
Item 253-3
Value 253-4
...
CARRIERACCOUNT 254
CarrierAccountID 254-1
CarrierAccountName 254-2
BillingAddressOID 254-3
Active 254-4
Commisioned 254-5
...
A
B
C
D
E
250

FIG. 33B

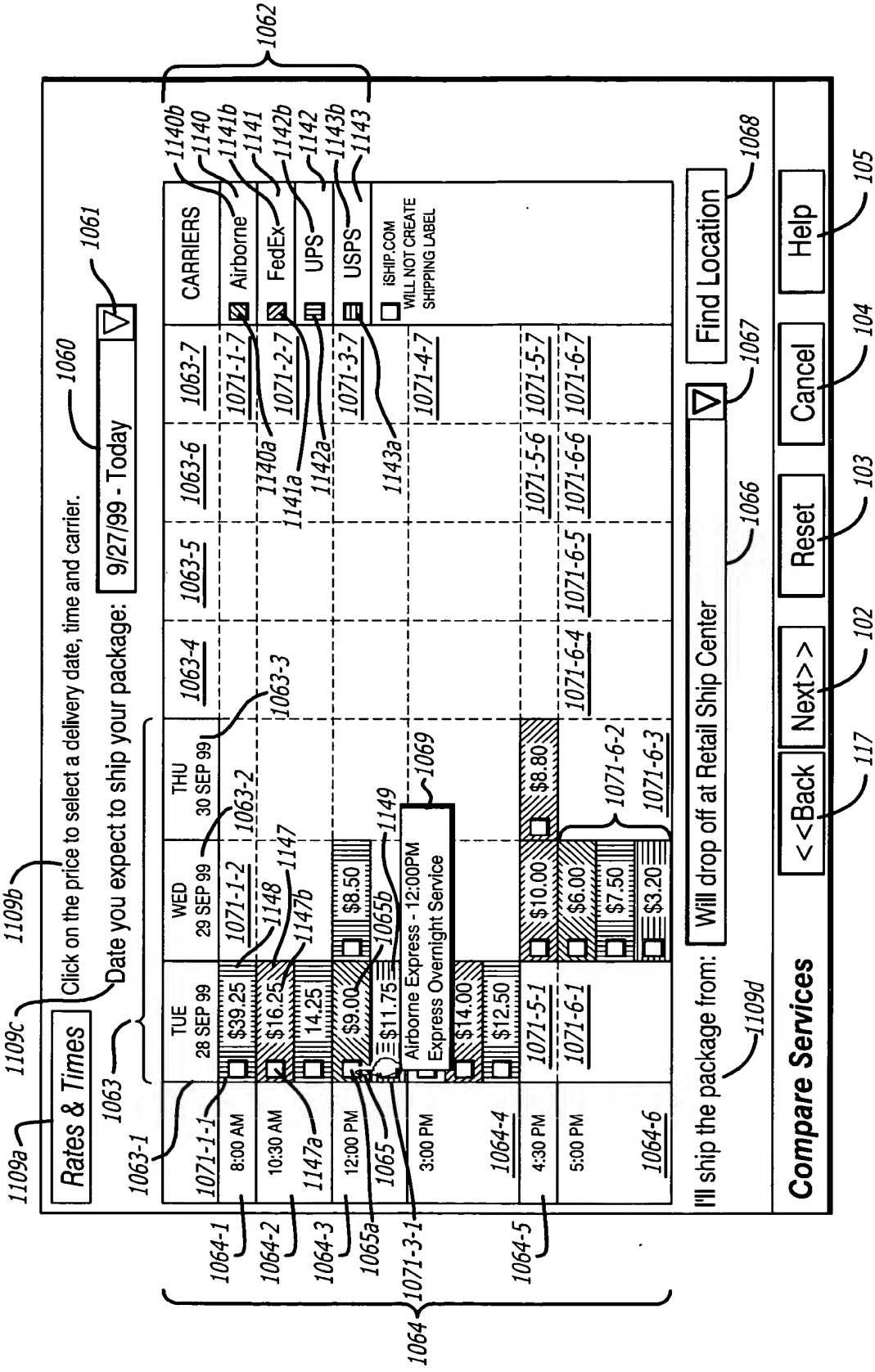

Rates & Times
Click on the price to select a delivery date, time and carrier.
Date you expect to ship your package:
9/27/99 - Today
TUE 28 SEP 99
WED 29 SEP 99
THU 30 SEP 99
CARRIERS
Airborne
FedEx
UPS
USPS
iSHIP.COM WILL NOT CREATE SHIPPING LABEL
8:00 AM
10:30 AM
12:00 PM
3:00 PM
4:30 PM
5:00 PM
$39.25
$16.25
14.25
$9.00
$11.75
$14.00
$12.50
$8.50
$10.00
$6.00
$7.50
$3.20
$8.80
Airborne Express - 12:00PM Express Overnight Service
I'll ship the package from:
Will drop off at Retail Ship Center
Find Location
Compare Services
<<Back
Next>>
Reset
Cancel
Help
1062
1140b
1140
1141b
1141
1142b
1142
1143b
1143
1063-7
1063-6
1063-5
1063-4
1063-3
1063-2
1063-1
1063
1071-1-7
1071-2-7
1071-3-7
1071-4-7
1071-5-7
1071-6-7
1071-1-2
1071-1-1
1071-5-1
1071-6-1
1071-6-2
1071-6-3
1071-6-4
1071-6-5
1071-6-6
1071-5-6
1064-1
1064-2
1064-3
1065a
1071-3-1
1064-5
1064-4
1064-6
1064
1065
1065b
1147
1147a
1147b
1148
1149
1069
1140a
1141a
1142a
1143a
1060
1061
1109a
1109b
1109c
1109d
1066
1067
1068
102
103
104
105
117

FIG. 36A

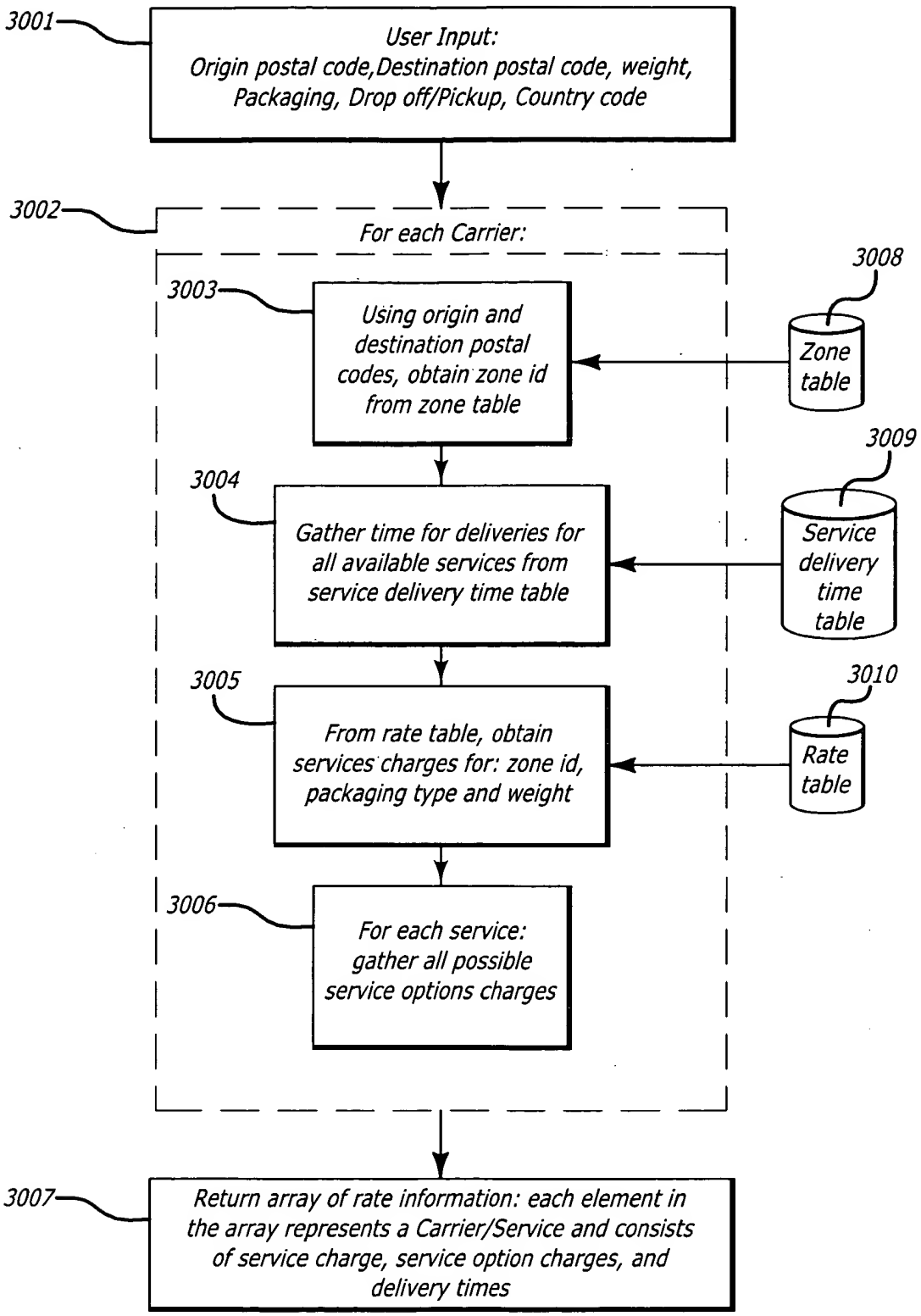

3001
User Input:
Origin postal code,Destination postal code, weight,
Packaging, Drop off/Pickup, Country code
3002
For each Carrier:
3003
Using origin and destination postal codes, obtain zone id from zone table
3008
Zone table
3004
Gather time for deliveries for all available services from service delivery time table
3009
Service delivery time table
3005
From rate table, obtain services charges for: zone id, packaging type and weight
3010
Rate table
3006
For each service: gather all possible service options charges
3007
Return array of rate information: each element in the array represents a Carrier/Service and consists of service charge, service option charges, and delivery times

FIG. 36B

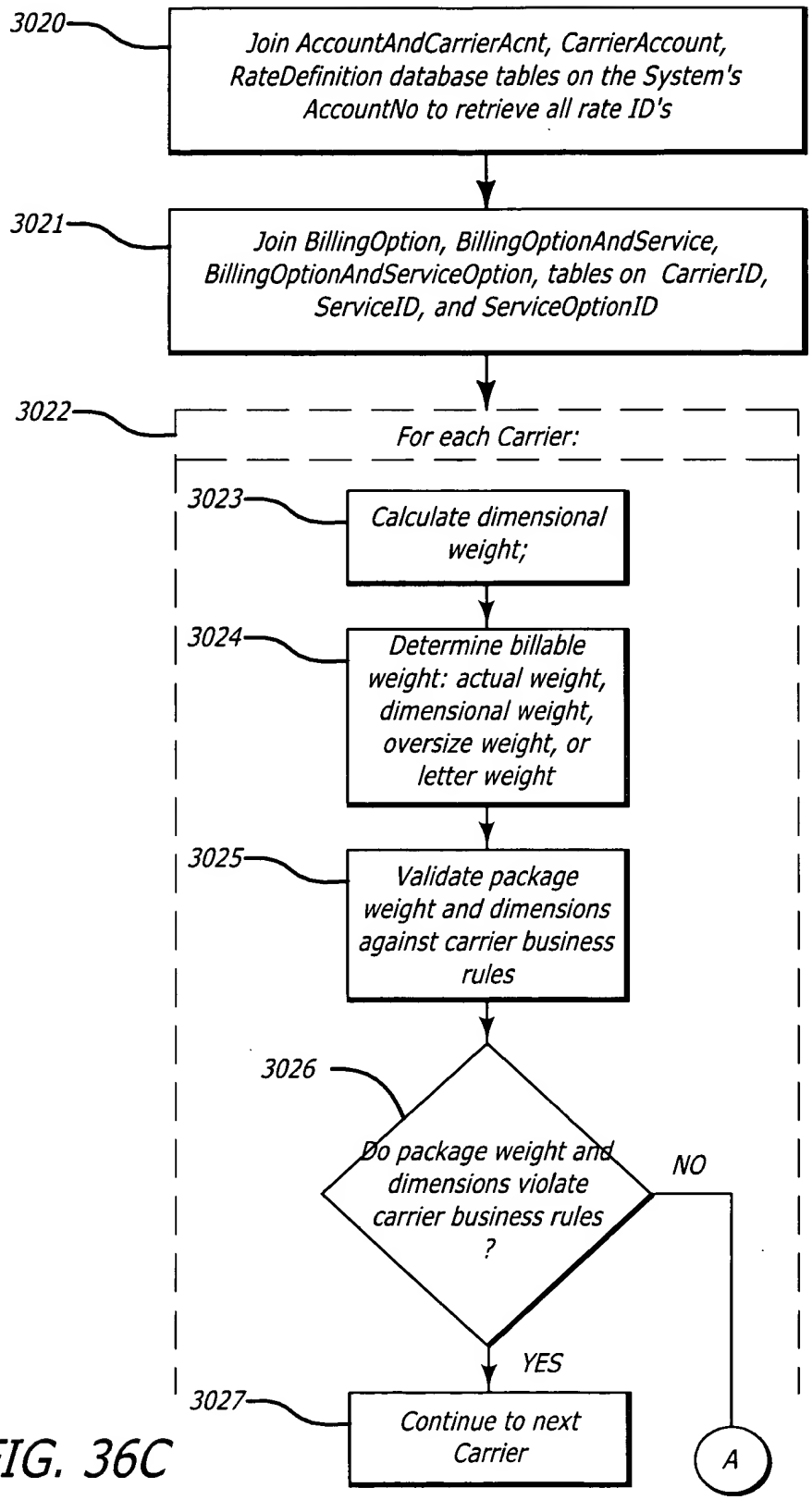

3020
Join AccountAndCarrierAcnt, CarrierAccount, RateDefinition database tables on the System's AccountNo to retrieve all rate ID's
3021
Join BillingOption, BillingOptionAndService, BillingOptionAndServiceOption, tables on CarrierID, ServiceID, and ServiceOptionID
3022
For each Carrier:
3023
Calculate dimensional weight;
3024
Determine billable weight: actual weight, dimensional weight, oversize weight, or letter weight
3025
Validate package weight and dimensions against carrier business rules
3026
Do package weight and dimensions violate carrier business rules ?
NO
YES
3027
Continue to next Carrier
A

FIG. 36C

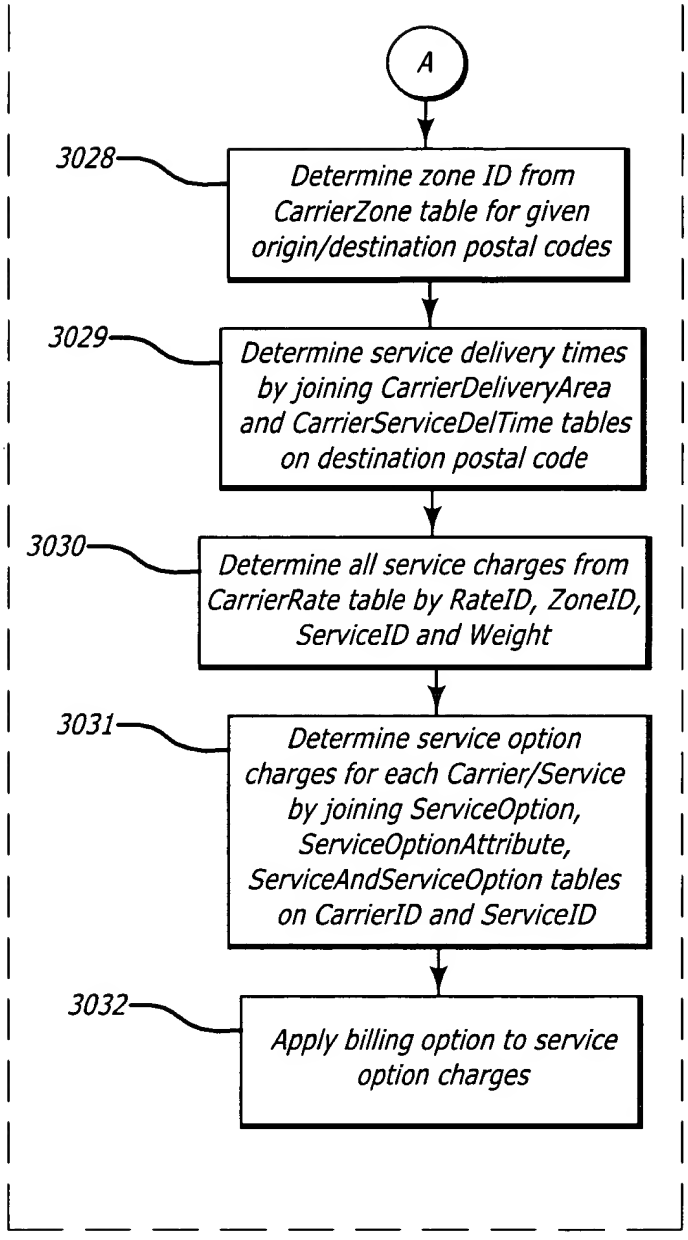

A
3028
Determine zone ID from CarrierZone table for given origin/destination postal codes
3029
Determine service delivery times by joining CarrierDeliveryArea and CarrierServiceDelTime tables on destination postal code
3030
Determine all service charges from CarrierRate table by RateID, ZoneID, ServiceID and Weight
3031
Determine service option charges for each Carrier/Service by joining ServiceOption, ServiceOptionAttribute, ServiceAndServiceOption tables on CarrierID and ServiceID
3032
Apply billing option to service option charges

FIG. 36D

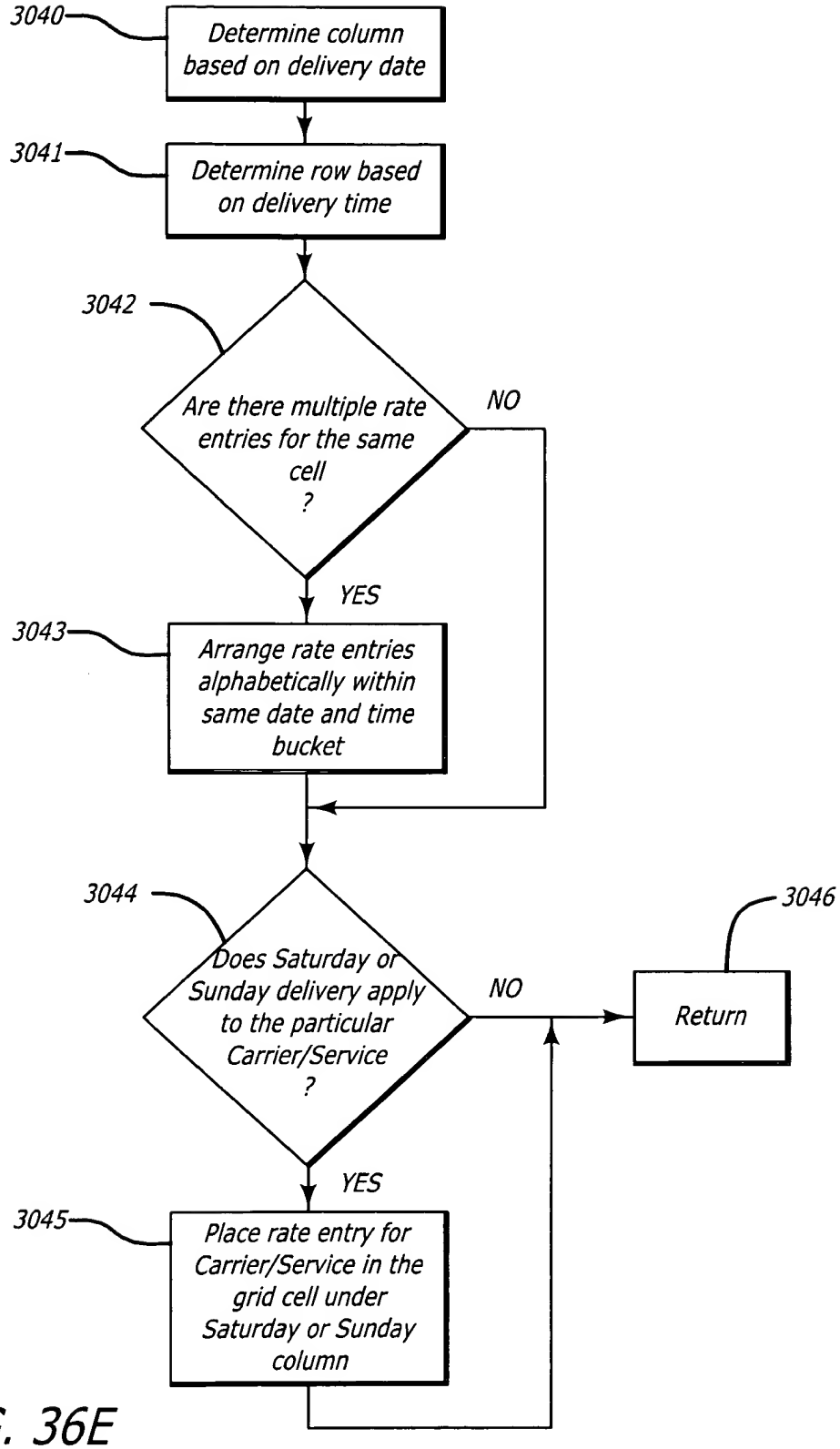

3040
Determine column based on delivery date
3041
Determine row based on delivery time
3042
Are there multiple rate entries for the same cell ?
NO
YES
3043
Arrange rate entries alphabetically within same date and time bucket
3044
Does Saturday or Sunday delivery apply to the particular Carrier/Service ?
NO
3046
Return
YES
3045
Place rate entry for Carrier/Service in the grid cell under Saturday or Sunday column

FIG. 36E

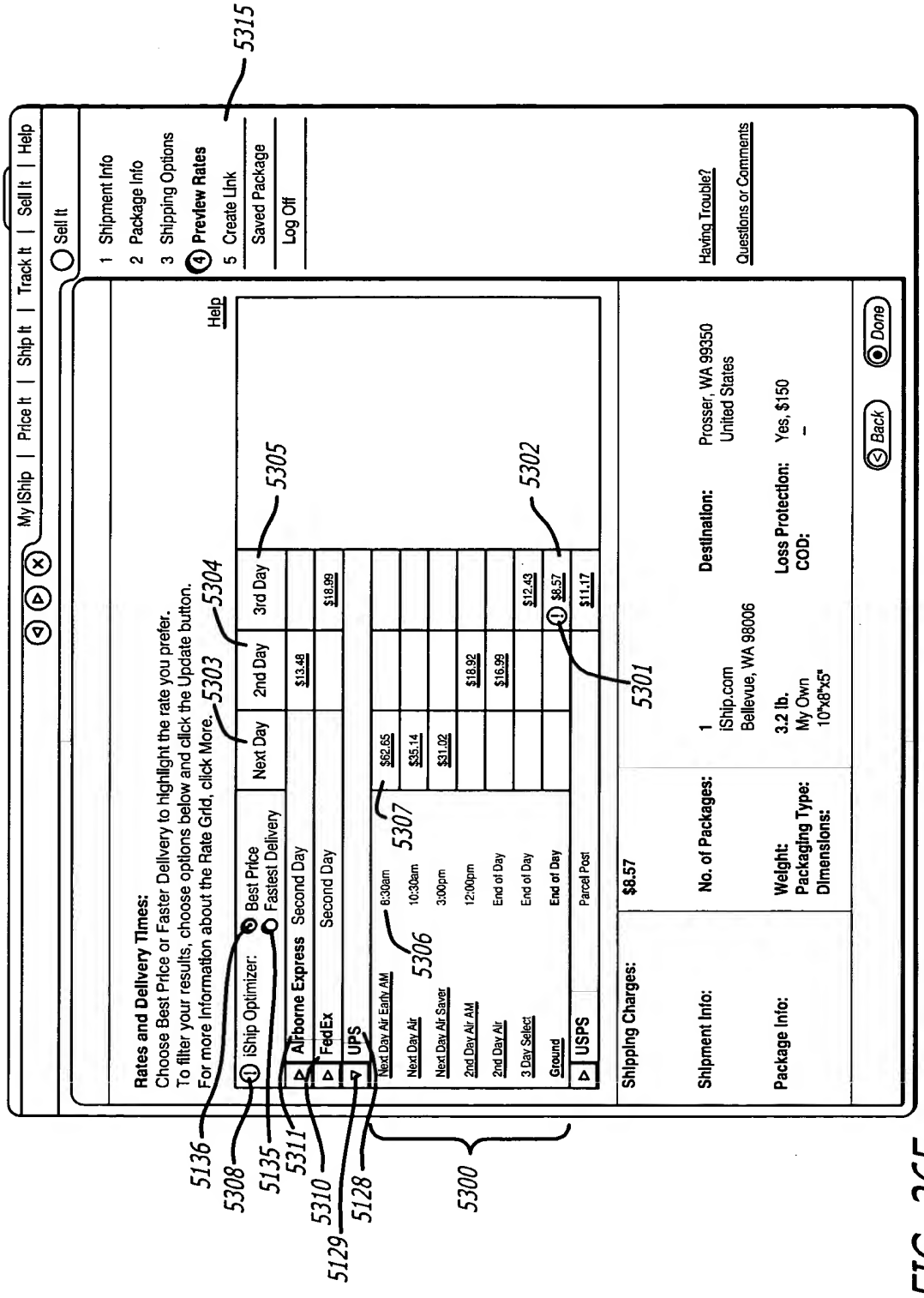

My iShip | Price It | Ship It | Track It | Sell It | Help
Sell It
1 Shipment Info
2 Package Info
3 Shipping Options
4 Preview Rates
5 Create Link
Saved Package
Log Off
Rates and Delivery Times:
Choose Best Price or Faster Delivery to highlight the rate you prefer.
To filter your results, choose options below and click the Update button.
For more information about the Rate Grid, click More.
Help
iShip Optimizer:
Best Price
Fastest Delivery
Next Day
2nd Day
3rd Day
Airborne Express
Second Day
$13.48
FedEx
Second Day
$18.99
UPS
Next Day Air Early AM
8:30am
$62.65
Next Day Air
10:30am
$35.14
Next Day Air Saver
3:00pm
$31.02
2nd Day Air AM
12:00pm
$18.92
2nd Day Air
End of Day
$16.99
3 Day Select
End of Day
$12.43
Ground
End of Day
$8.57
USPS
Parcel Post
$11.17
Shipping Charges:
$8.57
Shipment Info:
No. of Packages:
1
iShip.com
Bellevue, WA 98006
Destination:
Prosser, WA 99350
United States
Package Info:
Weight:
3.2 lb.
Packaging Type:
My Own
Dimensions:
10"x8"x5"
Loss Protection:
Yes, $150
COD:
-
Having Trouble?
Questions or Comments
Back
Done
5315
5304
5303
5305
5302
5301
5307
5306
5136
5308
5135
5311
5310
5129
5128
5300

FIG. 36F

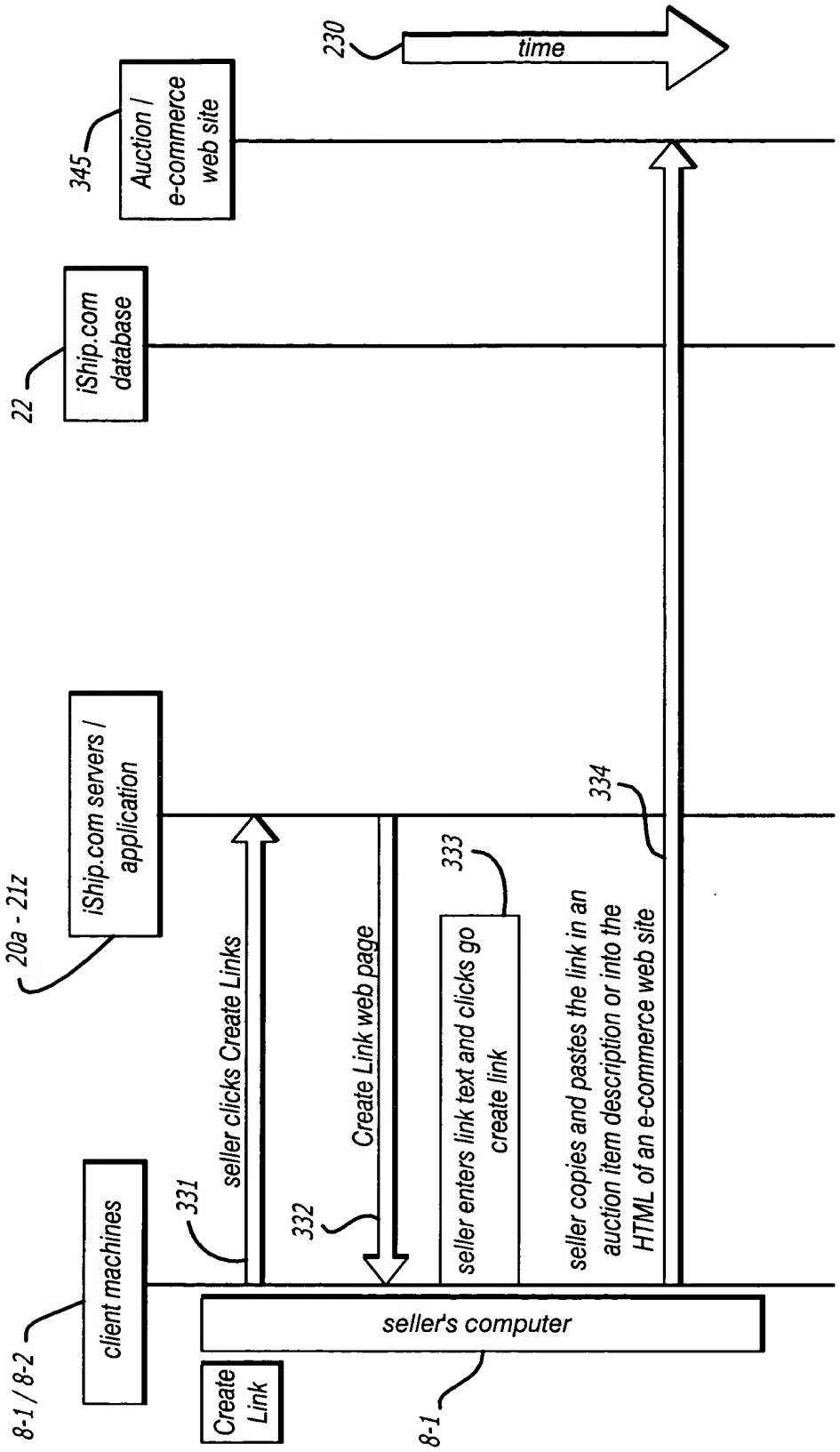

230
time
345
Auction / e-commerce web site
22
iShip.com database
20a - 21z
iShip.com servers / application
334
331
seller clicks Create Links
332
Create Link web page
333
seller enters link text and clicks go create link
seller copies and pastes the link in an auction item description or into the HTML of an e-commerce web site
8-1 / 8-2
client machines
Create Link
seller's computer
8-1

FIG. 37A

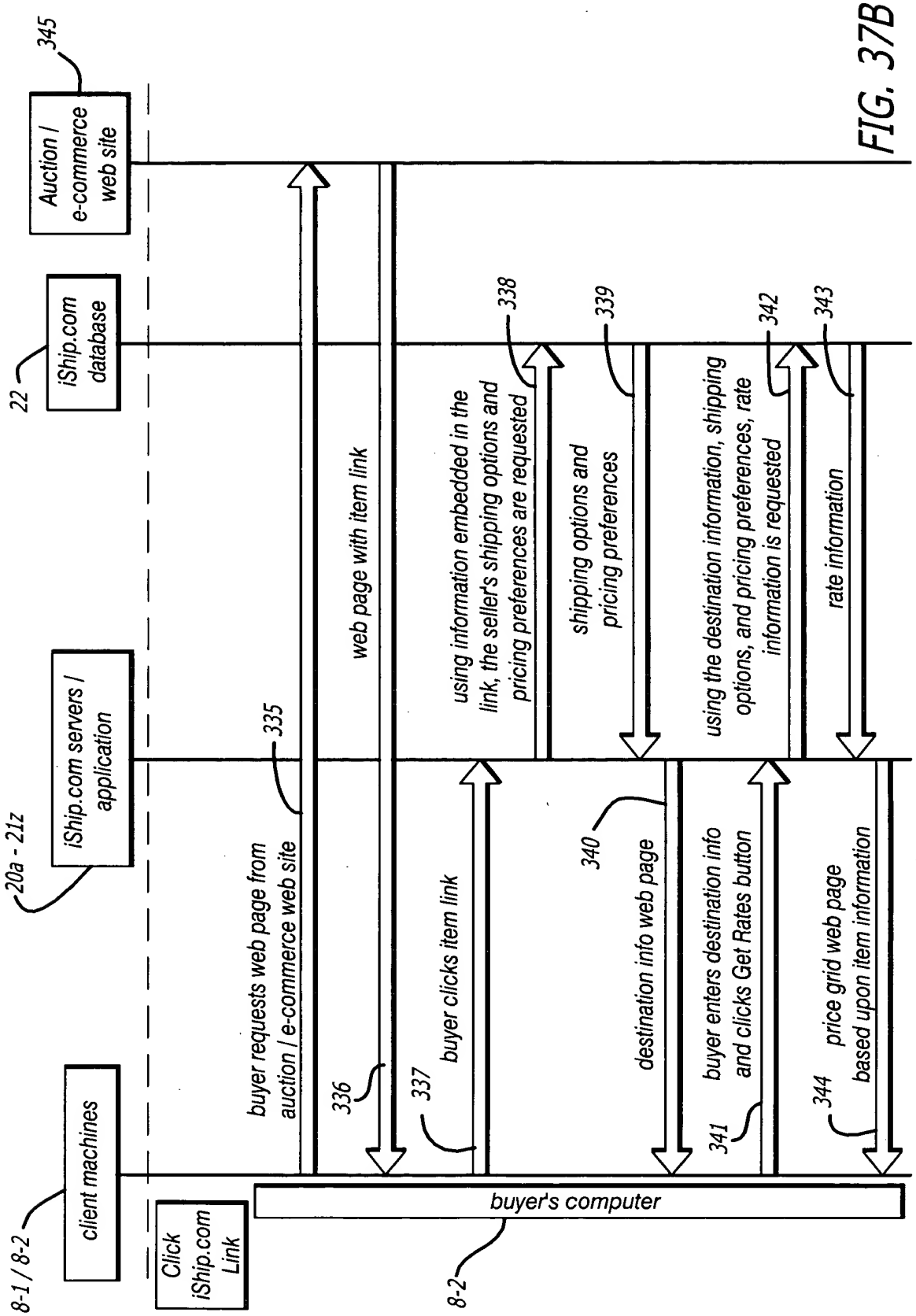

8-1 / 8-2
client machines
Click iShip.com Link
20a - 21z
iShip.com servers / application
22
iShip.com database
Auction / e-commerce web site
345
8-2
buyer's computer
buyer requests web page from auction / e-commerce web site
335
web page with item link
336
buyer clicks item link
337
using information embedded in the link, the seller's shipping options and pricing preferences are requested
338
shipping options and pricing preferences
339
destination info web page
340
buyer enters destination info and clicks Get Rates button
341
using the destination information, shipping options, and pricing preferences, rate information is requested
342
rate information
343
price grid web page based upon item information
344

FIG. 37B

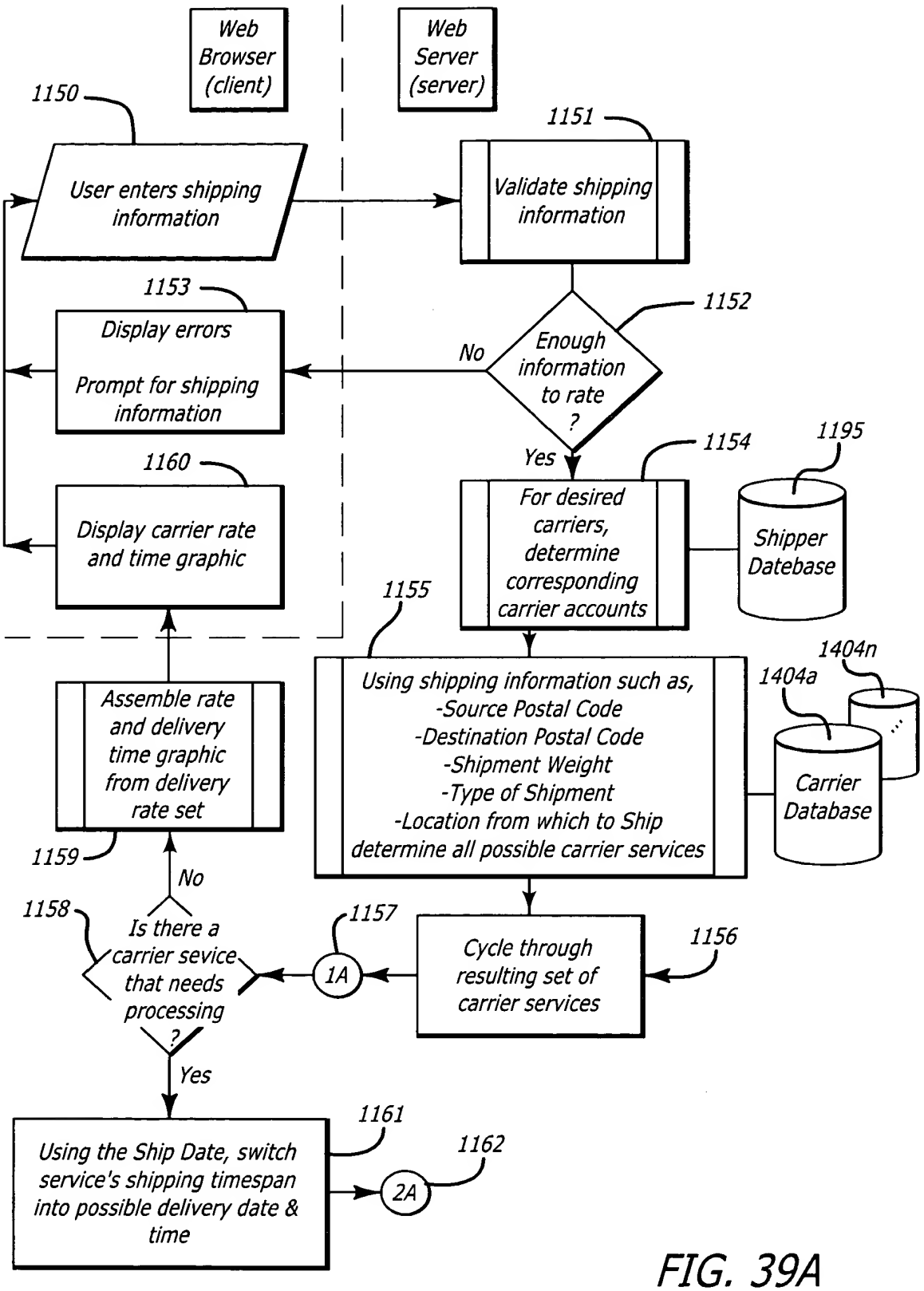

Web Browser (client)
Web Server (server)
1150
User enters shipping information
1151
Validate shipping information
1153
Display errors
Prompt for shipping information
No
1152
Enough information to rate ?
Yes
1154
For desired carriers, determine corresponding carrier accounts
1195
Shipper Datebase
1160
Display carrier rate and time graphic
1155
Using shipping information such as,
-Source Postal Code
-Destination Postal Code
-Shipment Weight
-Type of Shipment
-Location from which to Ship
determine all possible carrier services
1404n
1404a
Carrier Database
Assemble rate and delivery time graphic from delivery rate set
1159
No
1158
Is there a carrier sevice that needs processing ?
1157
1A
Cycle through resulting set of carrier services
1156
Yes
1161
Using the Ship Date, switch service's shipping timespan into possible delivery date & time
1162
2A

FIG. 39A

FIG. 39B

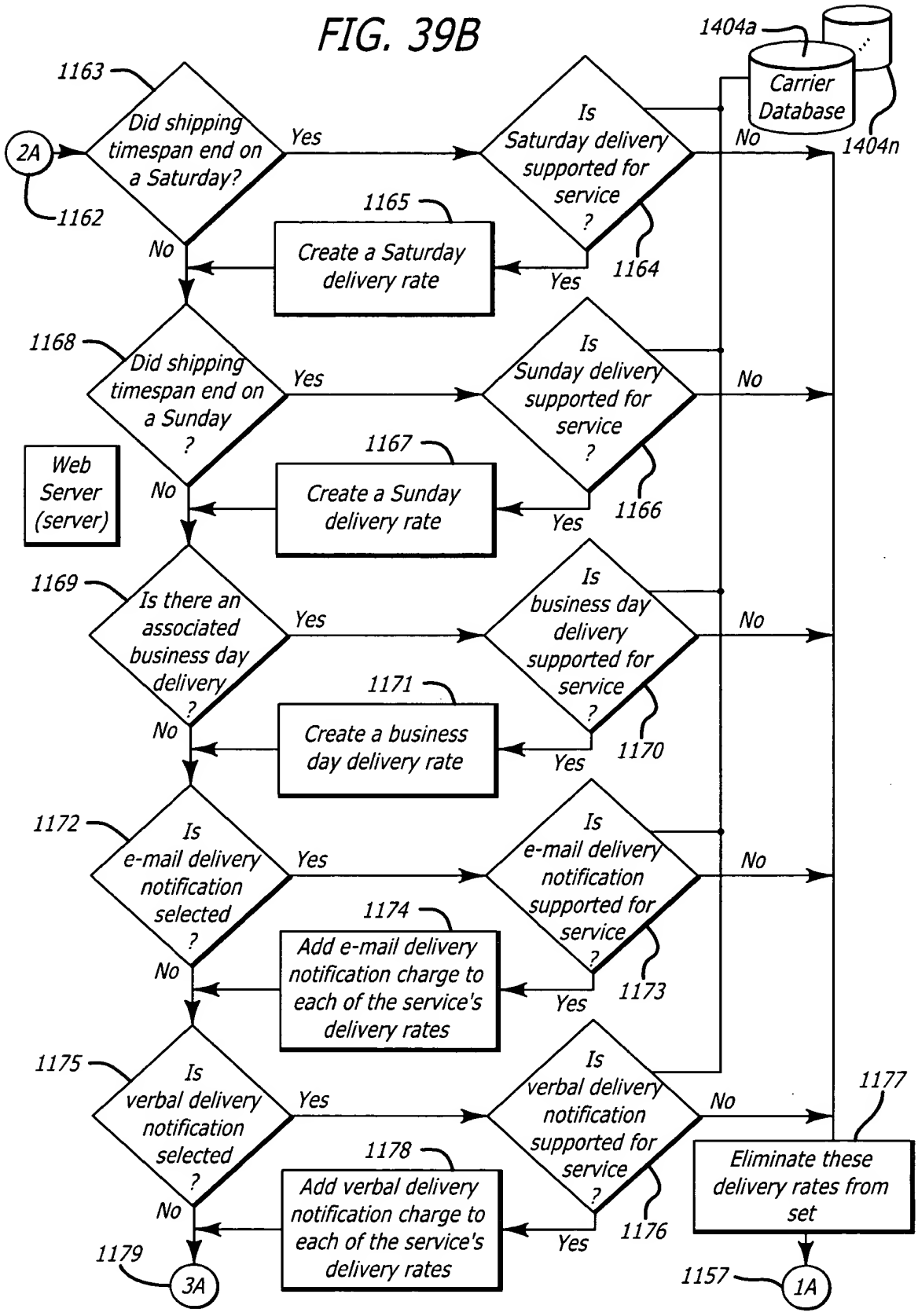
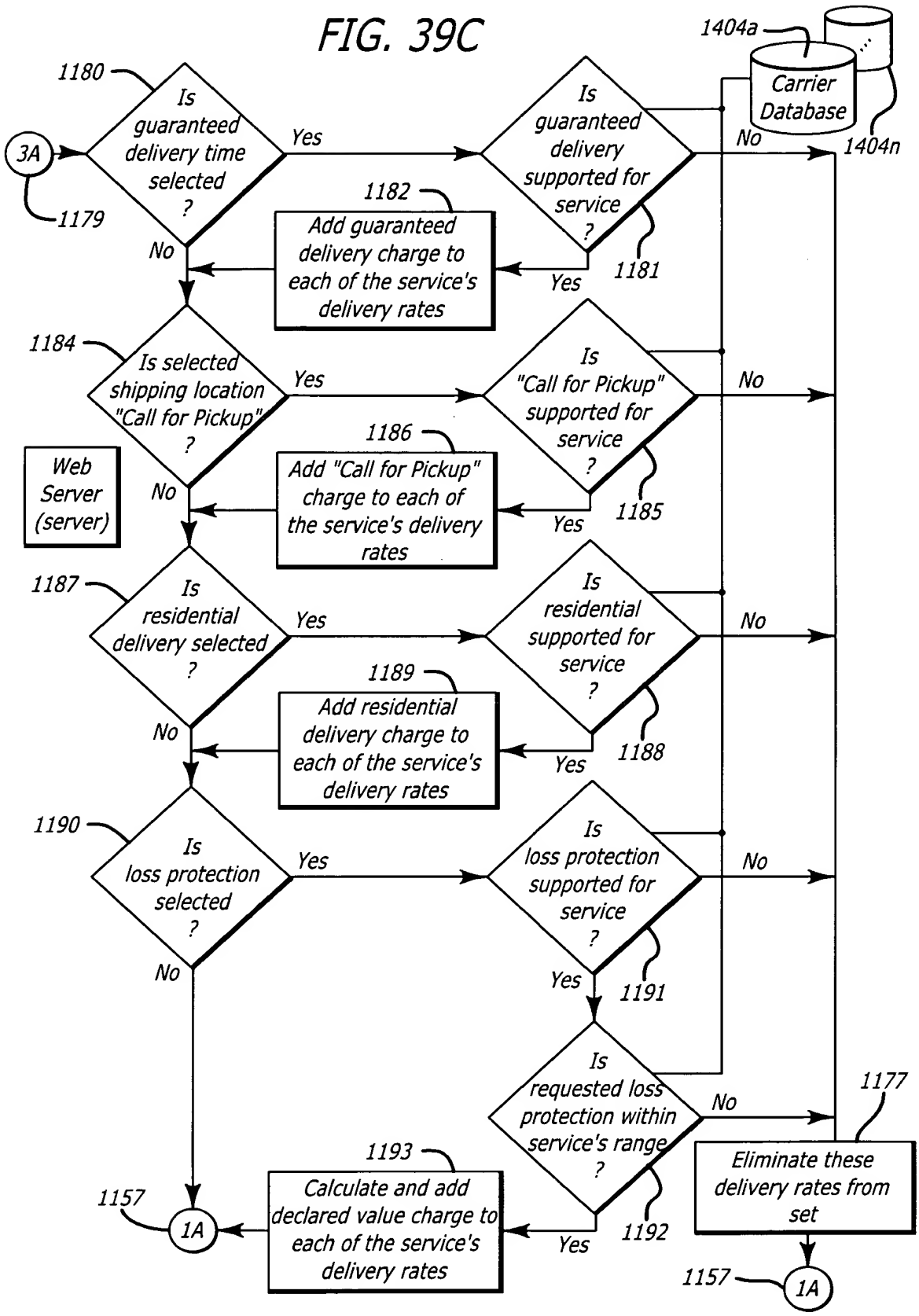

1404a
Carrier Database
1404n
1163
Did shipping timespan end on a Saturday?
Yes
No
2A
1162
Is Saturday delivery supported for service ?
1164
1165
Create a Saturday delivery rate
1168
Did shipping timespan end on a Sunday ?
Is Sunday delivery supported for service ?
1166
1167
Create a Sunday delivery rate
Web Server (server)
1169
Is there an associated business day delivery ?
Is business day delivery supported for service ?
1170
1171
Create a business day delivery rate
1172
Is e-mail delivery notification selected ?
Is e-mail delivery notification supported for service ?
1173
1174
Add e-mail delivery notification charge to each of the service's delivery rates
1175
Is verbal delivery notification selected ?
Is verbal delivery notification supported for service ?
1176
1177
1178
Add verbal delivery notification charge to each of the service's delivery rates
Eliminate these delivery rates from set
1179
3A
1157
1A

FIG. 39C


1404a
Carrier Database
1404n
1180
Is guaranteed delivery time selected ?
Yes
No
3A
1179
Is guaranteed delivery supported for service ?
1181
1182
Add guaranteed delivery charge to each of the service's delivery rates
1184
Is selected shipping location "Call for Pickup" ?
Is "Call for Pickup" supported for service ?
1185
1186
Add "Call for Pickup" charge to each of the service's delivery rates
Web Server (server)
1187
Is residential delivery selected ?
Is residential supported for service ?
1188
1189
Add residential delivery charge to each of the service's delivery rates
1190
Is loss protection selected ?
Is loss protection supported for service ?
1191
Is requested loss protection within service's range ?
1192
1177
Eliminate these delivery rates from set
1157
1A
1193
Calculate and add declared value charge to each of the service's delivery rates

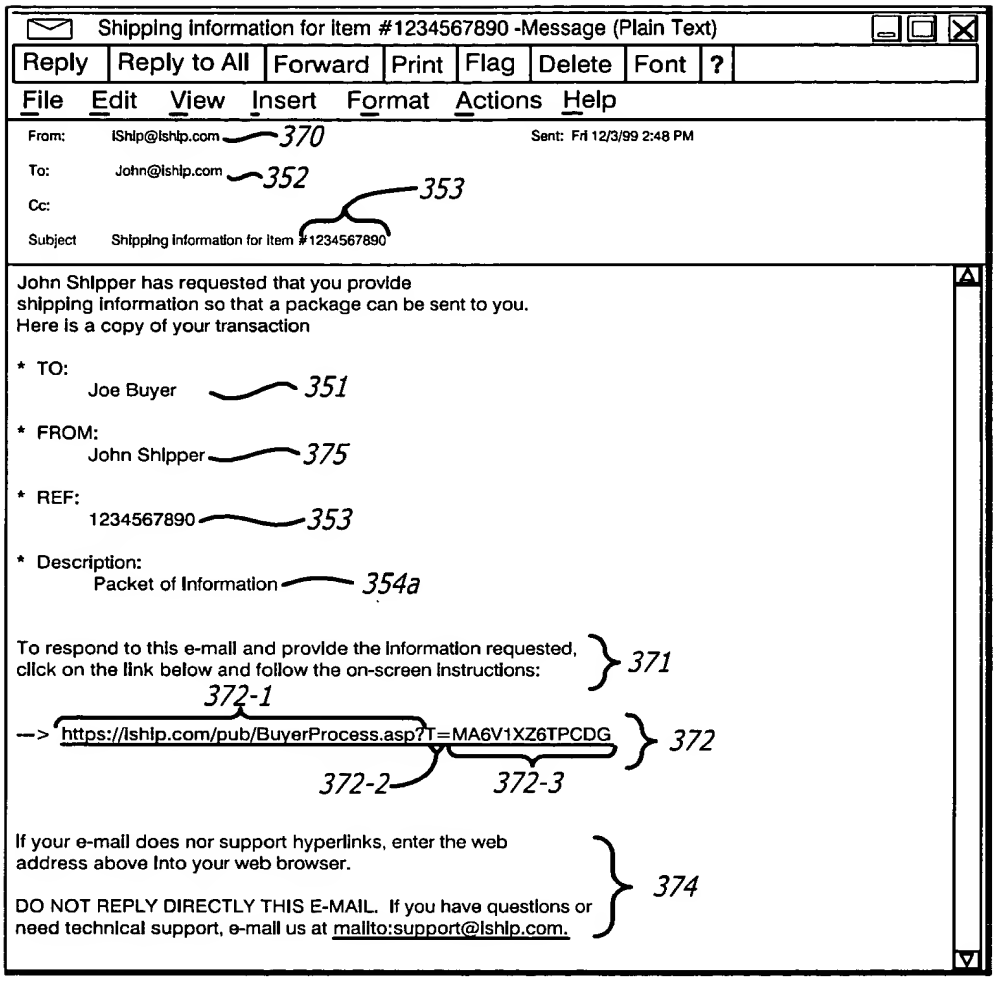

Shipping information for item #1234567890 -Message (Plain Text)
Reply
Reply to All
Forward
Print
Flag
Delete
Font
?
File Edit View Insert Format Actions Help
From: IShip@Iship.com 370
Sent: Fri 12/3/99 2:48 PM
To: John@Iship.com 352
Cc:
Subject Shipping Information for Item #1234567890 353
John Shipper has requested that you provide shipping information so that a package can be sent to you. Here is a copy of your transaction
* TO:
Joe Buyer 351
* FROM:
John Shipper 375
* REF:
1234567890 353
* Description:
Packet of Information 354a
To respond to this e-mail and provide the information requested, click on the link below and follow the on-screen instructions: 371
372-1
--> https://Iship.com/pub/BuyerProcess.asp?T=MA6V1XZ6TPCDG 372
372-2
372-3
If your e-mail does nor support hyperlinks, enter the web address above Into your web browser.
DO NOT REPLY DIRECTLY THIS E-MAIL. If you have questions or need technical support, e-mail us at mailto:support@Iship.com. 374

FIG. 43

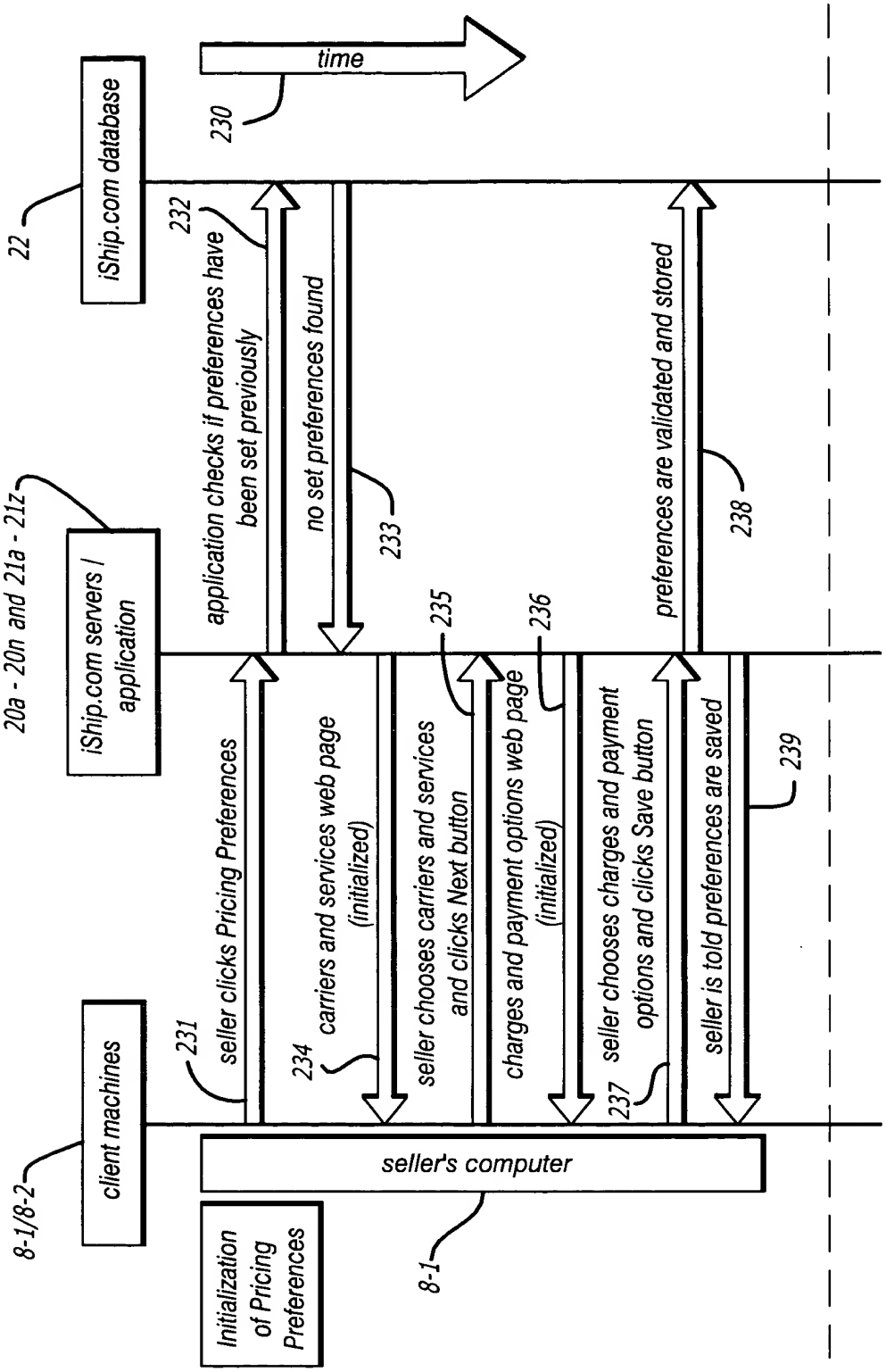

time
230
22
iShip.com database
232
application checks if preferences have been set previously
no set preferences found
233
preferences are validated and stored
238
20a - 20n and 21a - 21z
iShip.com servers / application
235
236
231
seller clicks Pricing Preferences
234
carriers and services web page (initialized)
seller chooses carriers and services and clicks Next button
charges and payment options web page (initialized)
seller chooses charges and payment options and clicks Save button
237
seller is told preferences are saved
239
8-1/8-2
client machines
seller's computer
8-1
Initialization of Pricing Preferences

FIG. 64A-1

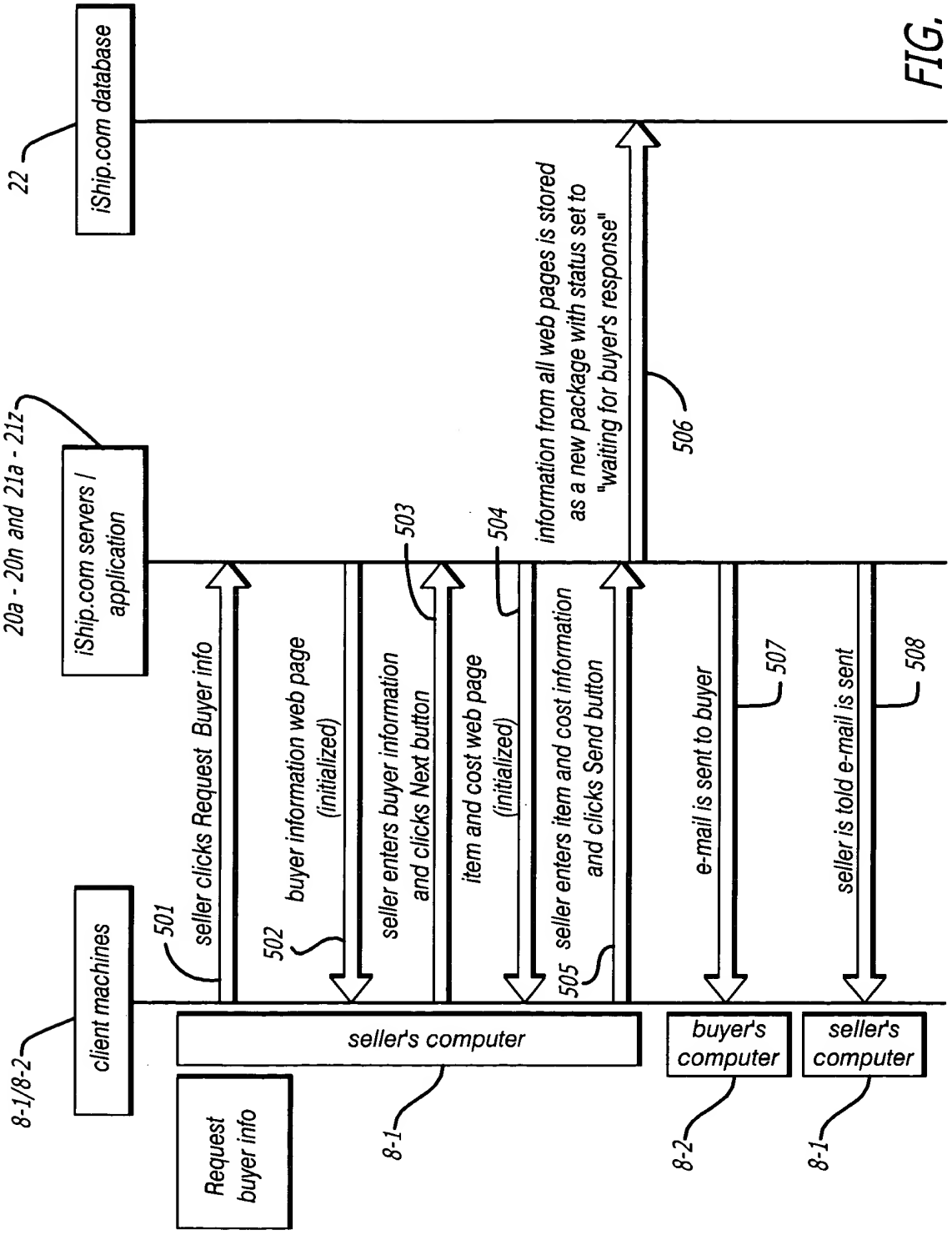

iShip.com database
22
iShip.com servers / application
20a - 20n and 21a - 21z
client machines
8-1/8-2
Request buyer info
seller's computer
8-1
buyer's computer
8-2
seller's computer
8-1
501
seller clicks Request Buyer info
502
buyer information web page (initialized)
503
seller enters buyer information and clicks Next button
504
item and cost web page (initialized)
505
seller enters item and cost information and clicks Send button
506
information from all web pages is stored as a new package with status set to "waiting for buyer's response"
507
e-mail is sent to buyer
508
seller is told e-mail is sent

FIG. 64A-2

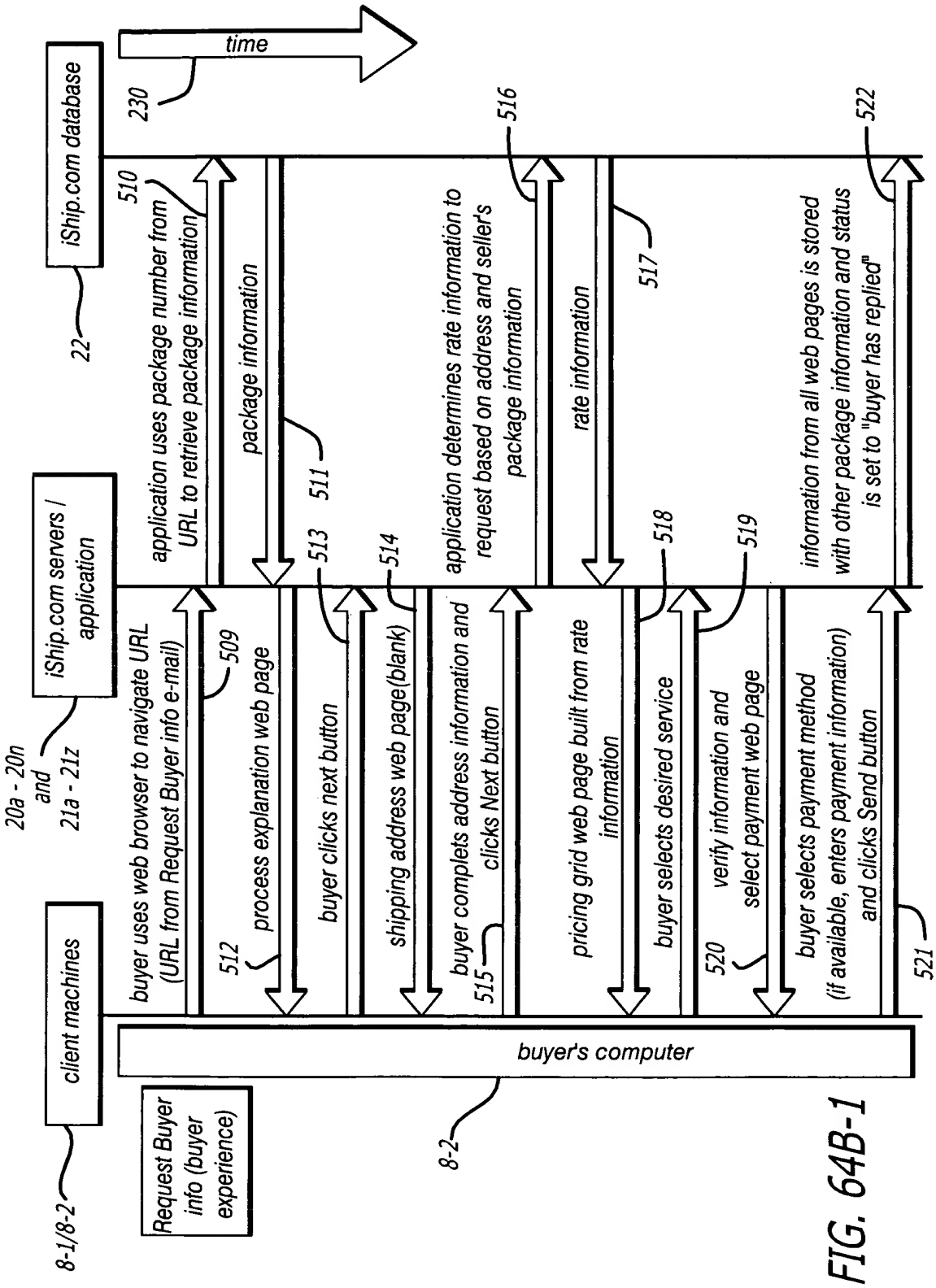

time
230
iShip.com database
22
iShip.com servers / application
20a - 20n and 21a - 21z
client machines
8-1/8-2
Request Buyer info (buyer experience)
buyer's computer
8-2
buyer uses web browser to navigate URL (URL from Request Buyer info e-mail)
509
process explanation web page
512
buyer clicks next button
513
shipping address web page(blank)
514
buyer complets address information and clicks Next button
515
pricing grid web page built from rate information
buyer selects desired service
518
verify information and select payment web page
520
buyer selects payment method (if available, enters payment information) and clicks Send button
521
application uses package number from URL to retrieve package information
510
package information
511
application determines rate information to request based on address and seller's package information
516
rate information
517
information from all web pages is stored with other package information and status is set to "buyer has replied"
522

FIG. 64B-1

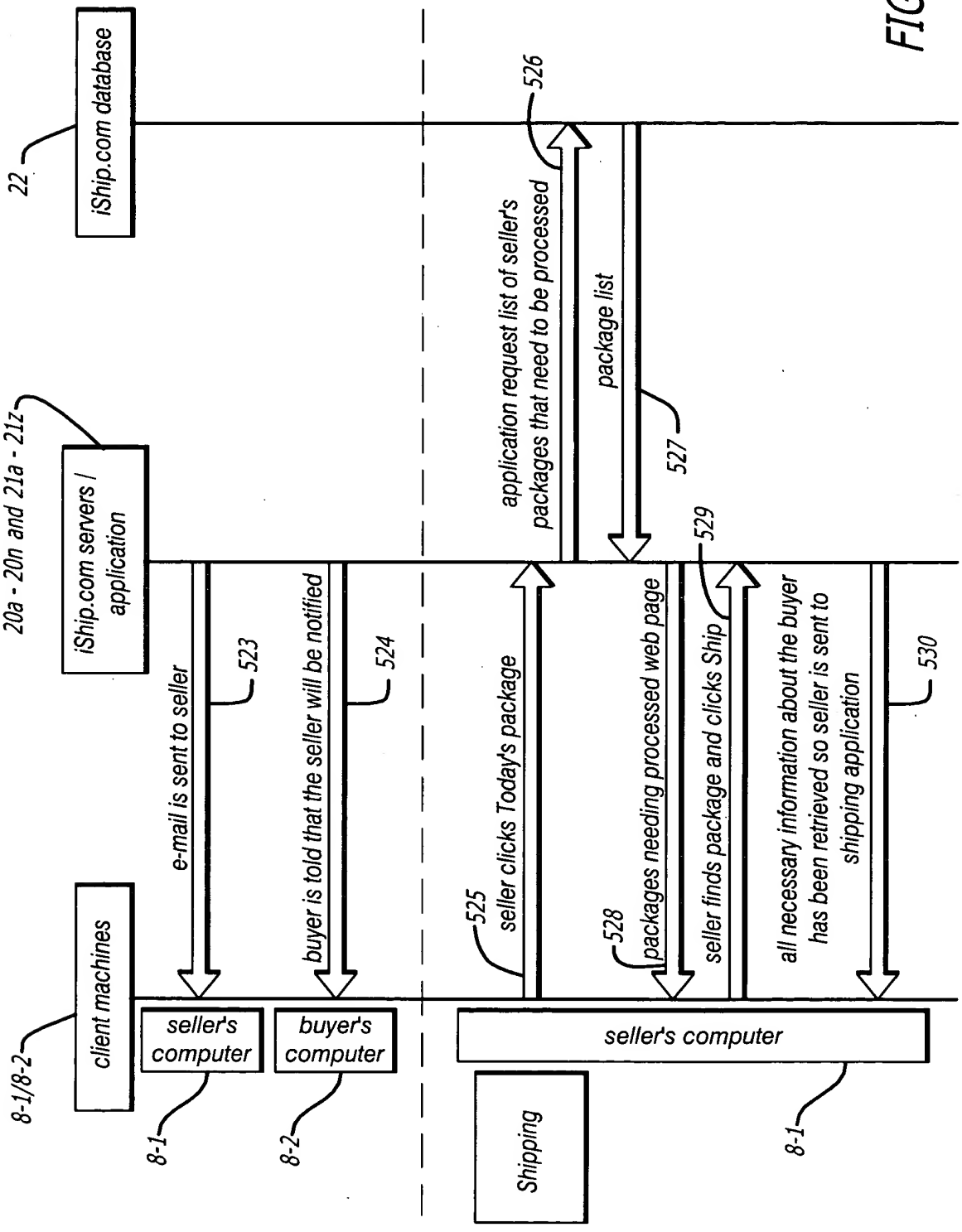

22
iShip.com database
526
application request list of seller's packages that need to be processed
package list
527
20a - 20n and 21a - 21z
iShip.com servers / application
529
e-mail is sent to seller
523
buyer is told that the seller will be notified
524
seller clicks Today's package
525
packages needing processed web page
528
seller finds package and clicks Ship
all necessary information about the buyer has been retrieved so seller is sent to shipping application
530
8-1/8-2
client machines
seller's computer
8-1
buyer's computer
8-2
Shipping
seller's computer
8-1

FIG. 64B-2

FIG. 65A

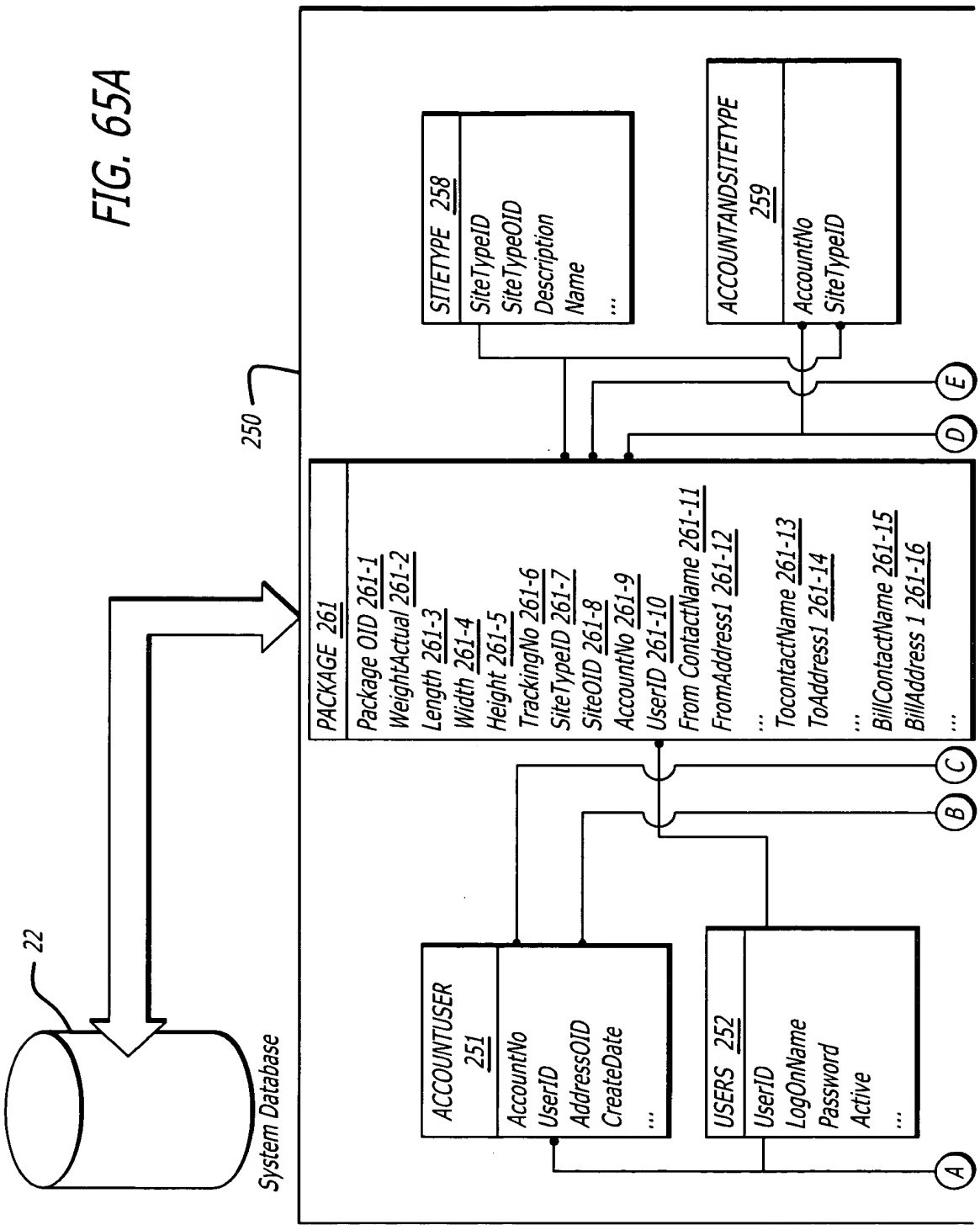
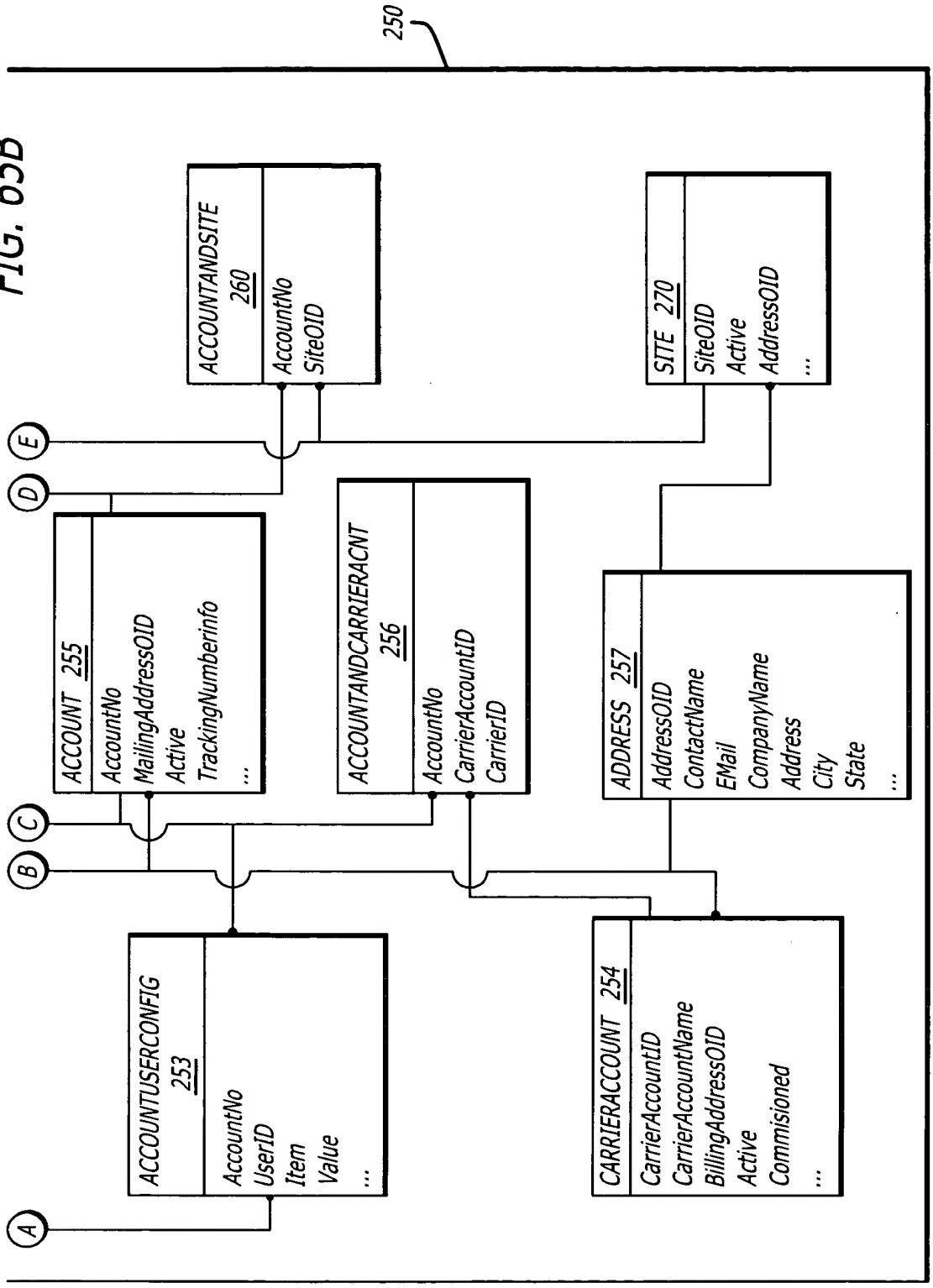

22
System Database
250
PACKAGE 261
Package OID 261-1
WeightActual 261-2
Length 261-3
Width 261-4
Height 261-5
TrackingNo 261-6
SiteTypeID 261-7
SiteOID 261-8
AccountNo 261-9
UserID 261-10
From ContactName 261-11
FromAddress1 261-12
...
TocontactName 261-13
ToAddress1 261-14
...
BillContactName 261-15
BillAddress 1 261-16
...
ACCOUNTUSER 251
AccountNo
UserID
AddressOID
CreateDate
...
USERS 252
UserID
LogOnName
Password
Active
...
SITETYPE 258
SiteTypeID
SiteTypeOID
Description
Name
...
ACCOUNTANDSITETYPE 259
AccountNo
SiteTypeID
A
B
C
D
E

FIG. 65B


250
ACCOUNTANDSITE
260
AccountNo
SiteOID
SITE 270
SiteOID
Active
AddressOID
...
E
D
ACCOUNT 255
AccountNo
MailingAddressOID
Active
TrackingNumberinfo
...
ACCOUNTANDCARRIERACNT
256
AccountNo
CarrierAccountID
CarrierID
ADDRESS 257
AddressOID
ContactName
EMail
CompanyName
Address
City
State
...
C
B
ACCOUNTUSERCONFIG
253
AccountNo
UserID
Item
Value
...
CARRIERACCOUNT 254
CarrierAccountID
CarrierAccountName
BillingAddressOID
Active
Commisioned
...
A

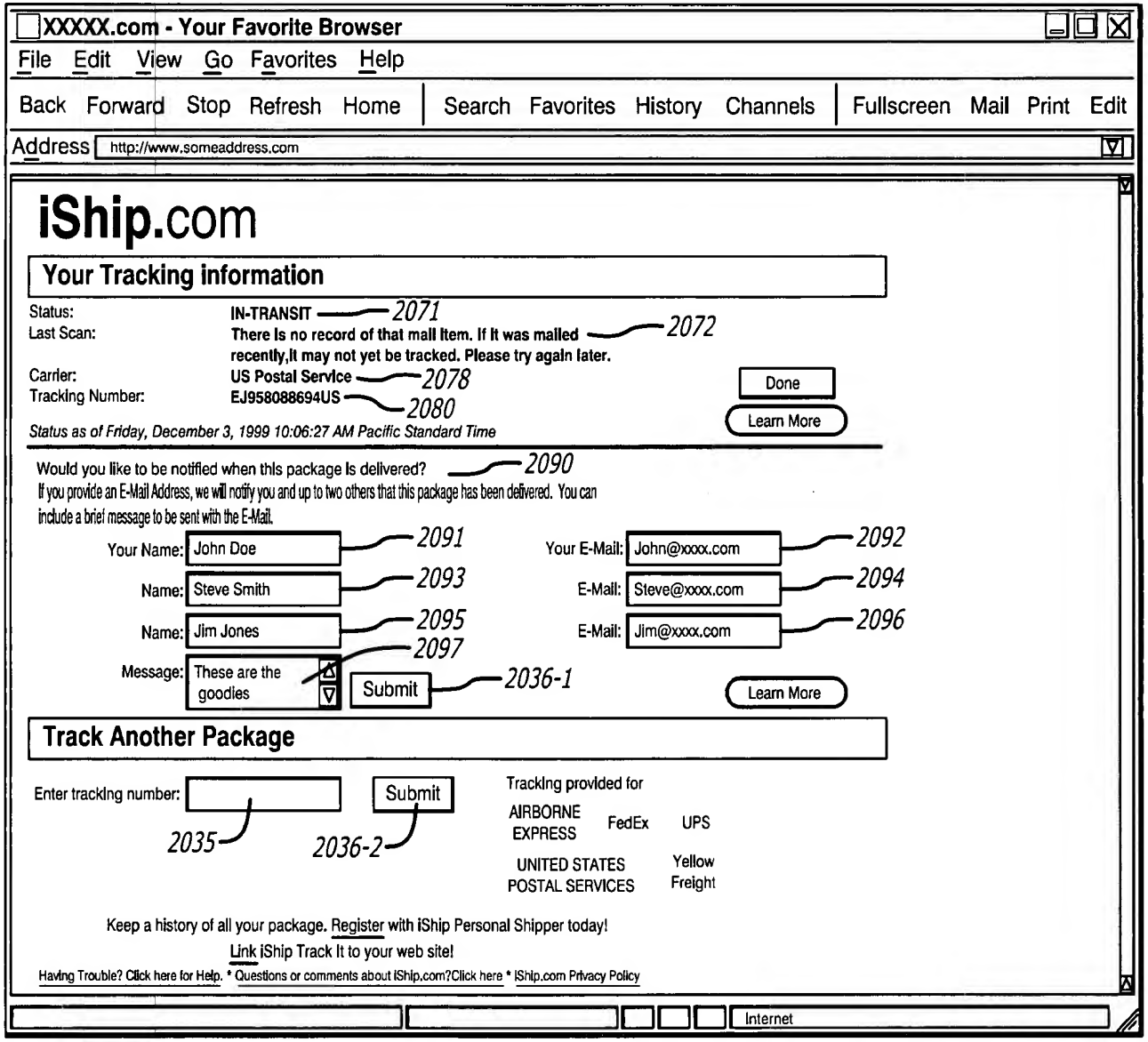


FIG. 72

Replacement Sheet